SERVICE MANUAL

17" COLOR MONITOR

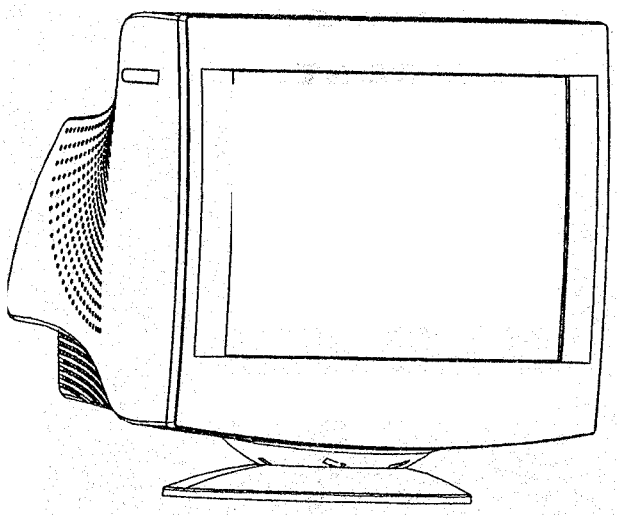

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TABLE OF CONTENTS

PAGE

1. SPECIFICATIONS 3-4

2. PRECAUTION AND NOTICES 5
   - 2-1 SAFETY PRECAUTIONS 5
   - 2-2 PRODUCT SAFETY NOTICE 5
   - 2-3 SERVICE NOTES 5
   - 2-4 HIGH VOLTAGE WARNING 6

3. OPERATING INSTRUCTIONS 7

4. ADJUSTMENT 8
   - 4-1 ADJUSTMENT CONDITIONS AND PRECAUTIONS 8
   - 4-2 MAIN ADJUSTMENTS 8
   - 4-3 ADJUSTMENT METHOD 8-11

5. CIRCUIT DESCRIPTION 11-14

6. TROUBLE SHOOTING CHART 15
   - 6-1 NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS 15
   - 6-2 ABNORMAL DISPLAY 17
   - 6-3 NO BLANKING 18
   - 6-4 HOR. /OSC /DEF /HV CIRCUIT FAULT 18
   - 6-5 ABNORMAL HORIZONTAL DEFLECTION 19
   - 6-6 ABNORMAL VERTICAL SCANNING 20
   - 6-7 SIDE-PIN CUSHION DISTORTION 20
   - 6-8 POOR FOCUS 21
   - 6-9 POWER SUPPLY TROUBLE SHOOTING CHART 22

7. MECHANICAL OF CABINET FRONT DIS-ASSEMBLY 23

8. PARTS LISTING 24

9. BLOCK DIAGRAM (DEFLECTION) 41

10. IC BLOCK DIAGRAMS 42

11. PCB LAYOUT 45

12. SCHEMATIC DIAGRAM 47

1. SPECIFICATIONS

1. CRT : 43.2CM(17") 90 Deflection, 29mm Neck, 0.27mm Dot Pitch, Non-Glare Screen

2. Viewable image Size: 40.6CM (16") diagonal

3. Display Color: Unlimited Colors

4. External Controls:
   Power On/Off, OSD key, Function knob: Contrast, Brightness, H-Size, H-Center, V-Size, V-Center, ZOOM, Pincushion, Trapezoid, Pin-Balance, Parallelogram, Rotation, Moire Reduce, Recall, Degaussing, Color Temperature.

5. Input Video Signal

	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6
	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog
Horiz. Sync:	TTL Level Negative	TTL Level Negative	TTL Level Negative	TTL Level Positive	TTL Level Positive	TTL Level Positive
Vert. Sync:	TTL Level Positive	TTL Level Negative	TTL Level Negative	TTL Level Positive	TTL Level Positive	TTL Level Positive
Horizontal:	640 (H)	720 (H)	640 (H)	800 (H)	1280 (H)	1024 (H)
Vertical :	480 (V)	400 (V)	480(V)	600 (V)	1024 (V)	768 (V)
Fh (KHz):	31.47	31.47	43.3	53.67	64.0	68.6
Fv (Hz) :	60	70	85	85	60	85

6. Display Size
   Horizontal: 300 mm
   Vertical: 230 mm

7. Scanning Frequencies
   Horizontal: 30KHz ~ 70KHz
   Vertical: 50 Hz ~ 160 Hz

8. Factory Preset Timings: 6
   User Timings: 20

9. Misconvergence
   Center: 0.3 mm Max.
   Corner: 0.4 mm Max.

10. Video Dot Rate: 110 MHz

11. Power Source:
    Switching Mode Power Supply
    AC 100 ~240V, 50/60Hz Universal Type

12. Operating Temperature: 0°C to 40°C Ambient

13. Humidity : 10% to 85% Relative, Non-Condensing

14. Weight: 16.0 Kgs(Net), 16.8Kgs(Gross)

15. Dimensions Monitor:
    Carton: 495(W) x 455(H) x 530(D) mm
    Monitor: 410(W) x 402(H) x 420(D) mm

16. External Connection :
    15 Pin D-type Connector AC Power Cord

17. Regulations: UL, CSA, FDA, FCC, TÜV/GS, CE, MPR-II
    TCO'95 or TCO'99

2. PRECAUTIONS AND NOTICES

2-1 SAFETY PRECAUTIONS

1. Observe all caution and safety related notes located inside the display cabinet.
2. Operation of the display with the cover removed, may cause a serious shock hazard from the display power supply. Work on the display should not be attempted by anyone who is not thoroughly familiar with precautions necessary when working on high voltage equipment.
3. Do not install, remove or handle the picture tube in any manner unless shatter-proof goggles are worn. People who are not so equipped should be kept away while handling picture tube. Keep picture tube away from the body while handling.
4. The picture tube is constructed to limit X-RAY radiation to 0.5 mR/HR. For continued protection, use the designated replacement tube only, and adjust the voltages so that the designated maximum rating at the anode will not be exceeded.
5. Before returning a serviced display to the customer, a thorough safety test must be performed to verify that the display is safe to operate without danger or shock. Always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as screw heads.
   Test method for current leakage is described as follow.
   (a) Plug the AC line cord directly into rated AC outlet (do not use a line isolation transformer during this check).
   (b) Use an AC voltmeter having 5000 ohms per volt or with more sensitivity in the following manner: Connect a 1500 ohms 10 Watt resistor, paralleled by a 0.15UF, AC type capacitor between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts simultaneously. Measure the AC voltage across the combination of 1500 ohms resistor and 0.15UF capacitor.
   (c) Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part.
   (d) Voltage measured must not exceed 0.5 volts RMS. This corresponds to 0.35 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

2-2 PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety visual inspections and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Before replacing any of these components read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-RAY radiation or other hazards.

2-3 SERVICE NOTES

1. When replacing parts or circuit boards, clamp the lead wires around terminals before soldering.
2. When replacing a high wattage resistor (more than 1/2W of metal oxide film resistor) in circuit board, keep the resistor about 10mm (1/2 in) away from circuit board.
3. Keep wires away from high voltage or high temperature components.
4. Keep wires in their original position so as to reduce interference.

2-4 HIGH VOLTAGE WARNING

Operation of monitor outside of cabinet or with back removed may cause a serious shock hazard. Work on this model should only be performed by those who are thoroughly familiar with precautions necessary when working on high voltage equipment.
Exercise care when servicing this chassis with power applied. Many B plus and high voltage terminals are exposed which, if carelessly contacted, can cause serious shock or result in damage to the chassis. Maintain interconnecting ground lead connections between chassis and picture tube dag when operating chassis.
Certain HV failures can increase X-ray radiation. Monitor should not be operated with HV levels exceeding the specified rating for the chassis type. The maximum operating HV specified for the chassis used in this monitor is

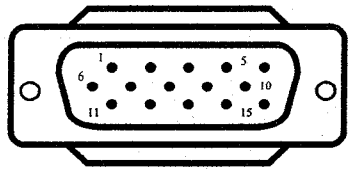
$$26KV \pm 1KV$$

with a line voltage of 120/240 VAC. Higher voltage may also increase possibility of failure in HV supply.
It is important to maintain specified values of all components in the horizontal and high voltage circuits and anywhere else in the monitor that could cause a rise in high voltage or operating supply voltages. No changes should be made to the original design of the monitor. Components shown in the shaded areas on the schematic should be replaced with exact factory replacement parts. The use of unauthorized substitute parts may create a shock, fire or other hazard.
To determine the presence of high voltage, use an accurate, high impedance, HV meter connected between second anode lead and CRT dag grounding device. When servicing the High Voltage System, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube dag and 2nd anode lead.(AC line cord disconnected from AC power outlet.)
The picture tube used in this monitor employs integral implosion protection. Replace with tube of the same type number for continue safety. Do not lift picture tube by the neck. Handle the picture tube only after discharging the high voltage completely.

3. OPERATING INSTRUCTIONS

This procedure gives you instructions for installing and using the color display.

1. Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduit ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.
2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	RED	9	NC
2	GREEN	10	GND
3	BLUE	11	SYNC. GND
4	GND	12	SDA
5	GND	13	HORIZ. SYNC
6	GND-R	14	VERT. SYNC (∗VCLK)
7	GND-G	15	SCL
8	GND-B		

3. Apply power to the display by turning the power switch to the "ON" position and allow about thirty seconds for display tube warm-up. The Power-On indicator lights when the display is on.
4. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display.
5. This monitor has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.
6. If your color display requires service, it must be returned with the power cord.

4. ADJUSTMENT

4-1 ADJUSTMENT CONDITIONS AND PRECAUTIONS

1. Approximately 30 minutes should be allowed for warm up before proceeding.
2. Adjustments should be undertaken only on those necessary elements since most of them have been carefully preset at the factory.

4-2 MAIN ADJUSTMENTS

NO.	FUNCTION	LOCATION	DESIGNATION
1.	14.5V ADJ	PCB - MAIN	VR901
2.	B + ADJ	PCB - MAIN	VR902
3.	SCREEN ADJ	FLY BACK TRANS	T402
4.	FOCUS ADJ	FLY BACK TRANS	T402
5.	ABL ADJ	PCB - MAIN	VR701
6.	SUB-BRIGHTNESS ADJ	PCB - MAIN	VR702
	-MENU ⏎	PCB - MAIN	SW103
	-UP ▶	PCB - MAIN	SW105
7.	FUNCTION ADJ -DOWN ◀	PCB - MAIN	SW104
	-EXIT ⏻	PCB - MAIN	SW102

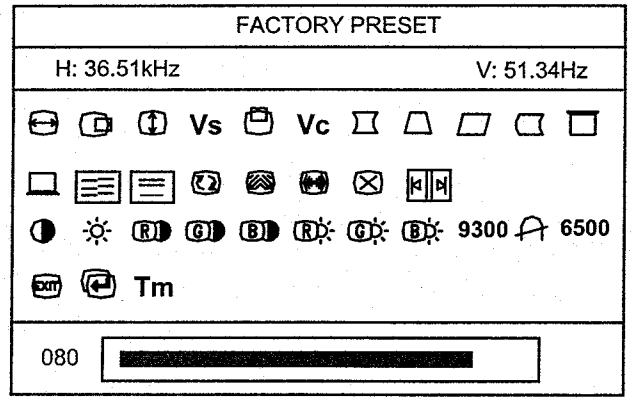
4-3 ADJUSTMENT METHOD

1. 14.5V, B + & HV voltage adjustment:

   A. Chrome-2000 Signal generator or PC equivalent set mode 1, VGA 640×480 pattern 1.0 .
   B. Connect a DC Volt meter between TP901 or D922 cathode and ground, then adjust VR901 to be 14.5VDC.
   C. Connect a DC Volt meter between TP902 or D925 cathode and ground, then adjust VR902 to be 62 VDC.
   D. Connect a DC Volt meter between TP701(G1) and ground, Brightness set to max. Then adjust VR702 to be -35 VDC.

2. Factory preset Timings Adjustment:

   A. Press MENU Key to show OSD window press Up or Down Key to switch the functional controls.
   B. Press the Up Key to select the "ZOOM" function, then press the MENU Key. While do not release the MENU Key until the OSD window changed to the Factory preset window.
   C. The Factory preset window contains the following functional controls. Select one of the control. Then press the Up/Down Key to adjust it's value for the optimum picture.



	CONTRAST		H-MOIRE REDUCE
	BRIGHTNESS		V-MOIRE REDUCE
	H-CENTER		R-GAIN
	H-SIZE		G-GAIN
	V-CENTER		B-GAIN
	V-SIZE		R-BIAS
	ZOOM		G-BIAS
	Top corner		R-BIAS
	Bottom corner	9300	COLOR TEMPERATURE
	PINCUSHION	6500	COLOR TEMPERATURE
	TRAPEZOID		DEGAUSS
	PIN-BALANCE		OSD EXIT
	PARALLELOGRAM		RETURN
	ROTATION		Vs Linear
Vs	Sub V-size		Vc Linear
Vc	Sub V-center		

MENU Key to Quit the OSD window. Mean while the new setting data will be saved in the memory.

E. To switches the input signal to the other Timing Mode. Please follow step C ~ D to get the optimum picture.

F. Select the " " RETURN function and press the MENU Key, then the Factor Preset window will be returned to the original OSD window.(user's operating condition)

G. The setting data of the CONTRAST, BRIGHTNESS, PIN-BALANCE, PARALLELOGRAM, ROTATION, COLOR TEMPERATURE are common mode saved in the memory. Don't needed adjust it individual at every timing Mode and save in the memory.

H Model select: for factory only, service engineer can't changed.

3. White Balance, Luminance adjustment:

A. Press OSD key for more than 10 minutes , entter factory preset pattern.
B. Set R、G、B gain DAC 70, R、G、B bias 10.
C. Raster Pattern, Brightness and Contrast set to maximum, then adjust G-Bias, B-Bias, R-Bias and G2 to make the color temperature x= 271± 10, y= 305 ± 10, Y=1.5~8.5 cd/m^2.
D. Adjust Brightness DAC to make the raster cut off (Y<1.4cd/m^2).
E. Little white pattern ,adjust R or G or B gain to make x=283±15,y=297 ±15,Y=130~190cd/m^2.
F. Adjust contrast to make Y=10cd/m^2, then adjust R、G、B bias to make x=283±15,y=297 ±15.
G. Adjust contrast to MAX, adjust R or G or B gain ,to make x=283±15,y=297 ±15,Y=130~190cd/m^2 Then save to 9300K color temprature.
H. Adjust contrast to make Y=12cd/m^2, then adjust R、G、B to make x=285±15,y=297±15.
I. Adjust Contrast to MAX, then adjust R or G or B gain to make x=283±15,y=297 ±15,Y=130~190cd/m^2Then save to 6500 color temprature .Then exit factory preset mode.
J. All white pattern , Brightness and Contrast set to MAX , adjust VR701to make Y= Y=130~190cd/m^2.
K. After adjustment , CHECK white balance.

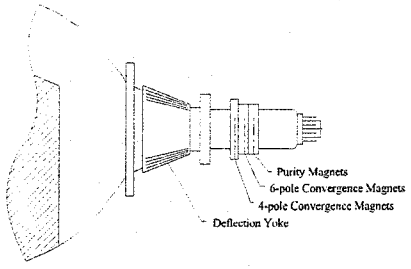
4. Focus Adjustment:

A. Set mode 2 640×480 Fh: 31.5KHz with character full page.
B. Adjust brightness to center and contrast to max.
C. Then adjust focus VR1 to a fine vertical line.
D. Adjust focus VR2 to a fine horizontal line.
E. Repeat step C & D..

5. Purity Adjustment

A. Be sure that the display is not being exposed to any external magnetic fields.
B. Ensure that the spacing between the Purity, Convergence, Magnet, (PCM), assembly and the CRT stem is 29mm .(See below diagram)
C. Produce a complete, red pattern on the display. Adjust the purity magnet rings on the PCM assembly to obtain a complete field of the color red. This is done by moving the two tabs in such a manner that they advance in an opposite direction but at the same time to obtain the same angle between the two tabs, which should be approximately 180'.
D. Check the complete blue and complete green patterns to observe their respective color purity. Make minor adjustments if needed.

RELATIVE PLACEMENT OF TYPICAL COMPONENTS



6. Convergence adjustment

A. Produce a magenta crosshatch on the display.
B. Adjust the focus for the best overall focus on the display.
   Also adjust the brightness to the desired condition.
C. Vertical red and blue lines are converged by varying the angle between the two tabs of the 4 pole magnets on the PCM assembly. (See above diagrams)
D. Horizontal red and blue lines are converged by varying the two tabs together, keeping the angle between them constant.
E. Produce a white crosshatch pattern on the display.
F. Vertical green and magenta lines are converged by varying the angle between the two tabs of the 6-pole magnets.
G. Horizontal green and magenta lines are converged by varying the two tabs together, keeping the angle between them constant.

5. CIRCUIT DESCRIPTION

5-1 MICRO CONTROLLER CIRCUIT

MICRO Controller

The IC101 contains a 6502 8-bit CPU core, 256 bytes of RAM, 16K bytes of ROM,14 channel 8 bit PWM D/A converters, 2 channel A/D converters for key detection, one 8 bit pre-loadable base timer, internal H-sync and V-sync signals processor providing mode detection, watch- dog timer preventing system from abnormal operation, and an I2C bus interface.

H/V sync signals processor

The functions of the sync processor include polarity detection, H-SYNC & V-SYNC signals counting, Programmable SYNC signals output, free running signal generator. Pin39/Pin40 are for the H-SYNC and V-SYNC input, Pin32/Pin33 will output the same signal as input sync signal without delay, and the polarity are setting in the positive. When no signal input, the Pin32 will output a 61HZ V-SYNC free run signal. The Pin33 will output a 62.5KHz H-SYNC free run signal. for the monitor testing use.

On Screen Display Controller

The IC103 is designed for display the built-in characters or fonts onto monitor screen. The display operation is by transforming data and control information from micro controller to RAM through a serial data interface.
Pin2 is used to control the internal oscillator frequency by DC voltage input from external low pass filter (R830, C817, R833) and filter (R832, C818) is used to regulate the appropriate bias current for internal oscillator the resonate at specific dot frequency.
Pin5 is input the horizontal fly back pulse, for PLL generator tracking.
Pin6 is left floating, I2C bus is enabled. Otherwise the SPI bus is enabled.
Pin7 the external data transfer through this pin to internal display registers and control registers
Pin8 the clock-input pin is used to synchronize the data transfer.
Pin10 is input the vertical flyback pulse for synchronizing the vertical position.
Pin12 is output a blanking signal to cut off external R.G.B signals of VGA while this chip is displaying characters or windows.
Pin13, Pin14, Pin15 is used to output the OSD (B.G.R) video signal.

5-2 DEFLECTION CIRCUIT

The deflection circuit is achieved by a high performance and efficient solution IC 401 (UPC1888CT) for this monitor. The concept is fully DC controllable and can be used in applications with a micro-controller solutions. The UPC1888CT provides sync. Processing with full auto sync. capability, a flexible SMPS block and an extensive set of geometry control facilities. Further the IC generates the drive waveforms for DC coupled vertical boosters to the TDA9302 or TDA8172 [ref Page-28].

Horizontal Oscillator

The external capacitor (Pin23 C403) is charged by a external resistor Pin22 (R451, R439, R443) when the flip-flop is reset it is discharged.
The dischange is done until it become limit voltage (=1.0 volts)

H-AFC

The filter for the auto frequency control of horizontal Pin24 (C401, C402, R401)

X-ray Protection

The X-ray protection input Pin19 provides a voltage detector with a precise threshold. If the voltage exceeds this threshold for a certain time, an internal latch switches the whole IC into protection mode. In this mode several pins are forced into defined states:
Pin17 (HDRV) is floating
Pin14 (BDRV) is floating

Vertical Oscillator

The vertical free –running frequency is determined by the capacitor C604 at pin2. Usually the free-running frequency should be lower than the minimum trigger frequency.

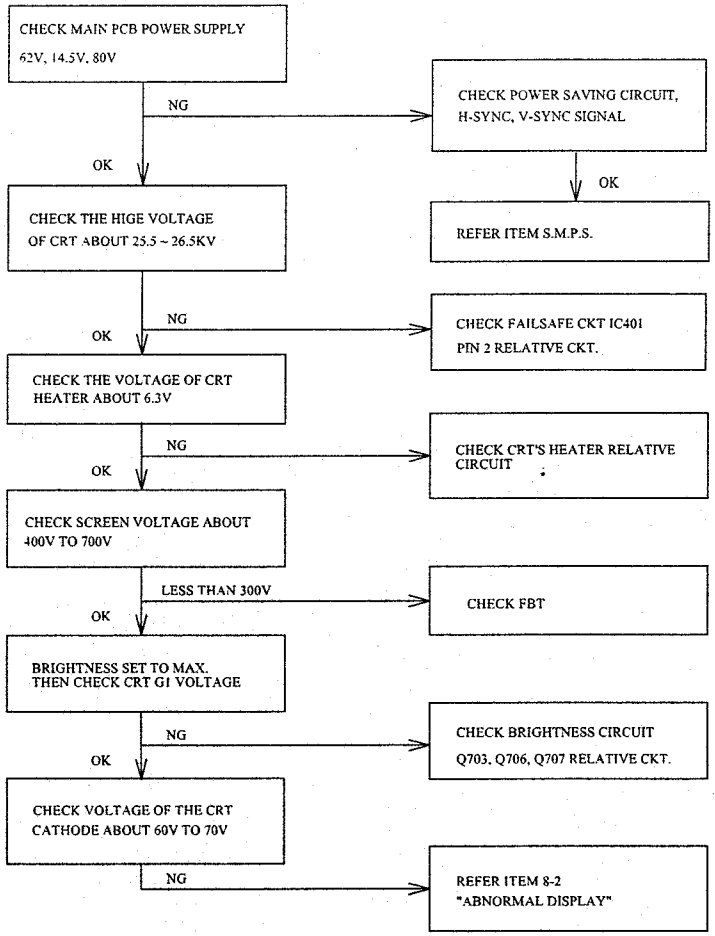
5-3 TRANSISTOR & DIODE CIRCUIT

LOCATION	FUNCTION AL DESCRIPTION
D101	For C102 Discharge
Q101	For LED Indicator Control
D418	Protection Diode for Snubber Clip Diode ZD401
D407	Protection Diode for B+ Control
D405	Speed up for Q403
D406	Supply a bias for D408
D408	Damping Diode and Modulation Diode
D414 ~ D416 D419	Buffer Diode for IC403
Q415 ~ Q416	Detected for q406
Q401 / Q420	B+ Mute Control
Q402	Horizontal Driver
Q403	Horizontal Out Put
Q404, Q406	A differential Amp for Drive Q406
Q405	DarlingtonTransistor for H-Size Control
Q407	Horizontal Linearity Correction Control
Q410, Q412, Q417, Q418	Horizontal S-Correction Control
D703	Buffer Diode
D704	Rectifier for 250V Supply
D705	Protection Diode for Q708
Q411, Q413, Q414	Horizontal Prive Buffer.

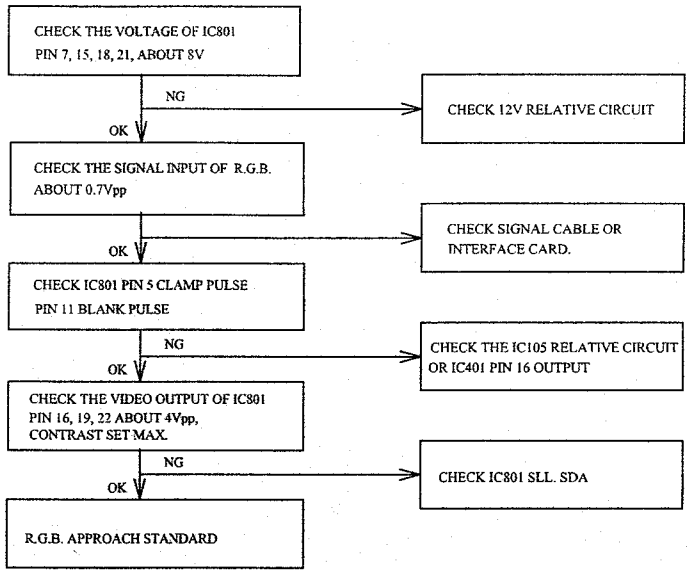
LOCATION	FUNCTION AL DESCRIPTION
D708	Rectifier for -200V Supply
Q707	Picture Mute Control AMP
Q703, Q706	Brightness Control CKT
Q708	Vertical Dynamic Focus Control AMP
D901 ~ D904	Bridge Rectifier for AC Source
D909	Rectifier for Start Power Supply
D910	Clip Diode for Snubber CKT
D911	IC901 VCC Supply
D913	Speed UP for Q901
D914	Synchronous Trigger for Power Supply
D918 ~ D919	Rectifier for Output Voltage Supply
D921 ~ D923 D906	Rectifier for Output Voltage Supply
D924	Clip Diode for Trigger CKT
D925	Rectifier for B+ Supply
D926, D927	Raster Position Control
ZD901	Protection Diode
ZD903	Protection Diode
Q901	MOS FET for Switching Power Control
Q908, Q916	To Turn 6.3V Supply Off when the Off Mode is Required
Q909, Q910	To Turn 14.5V Supply Off when the Off or Suspend Mode is Required
Q911	MOS FET for B+ Control
Q912, Q915	Push Pull Driver for Q911
Q914	Pre-Amplifier for Q912, Q915
D856 ~ D858	DC Restoration for CRT Bias Adjustment
D850 ~ D855	Protection Diode for IC803
Q850 ~ Q855	DC Restoration for CRT Bias Adjustment

6.TROUBLE SHOOTING CHART

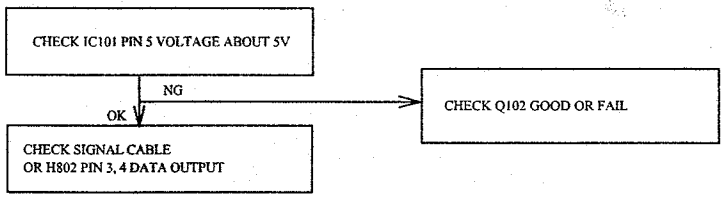
6-1 NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS



2.ABNORMAL VIDEO LEVEL ON SCREEN

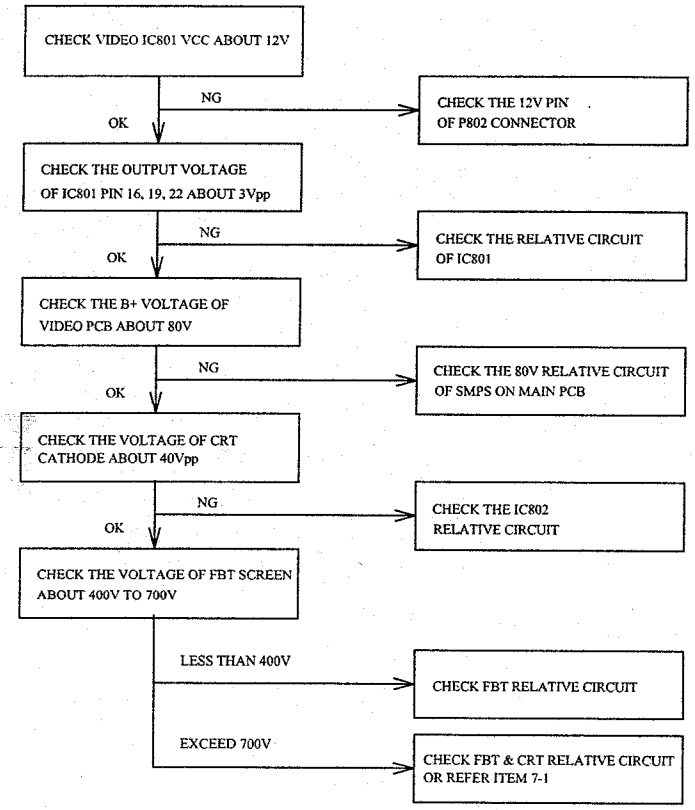


3. ABNORMAL DDC (PLUG & PLAY)

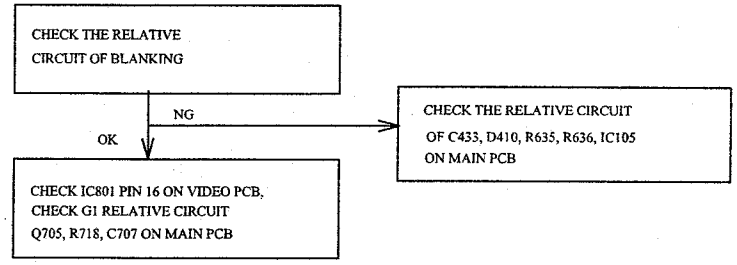


6-2 ABNORMAL DISPLAY

1.NO SIGNAL ON SCREEN

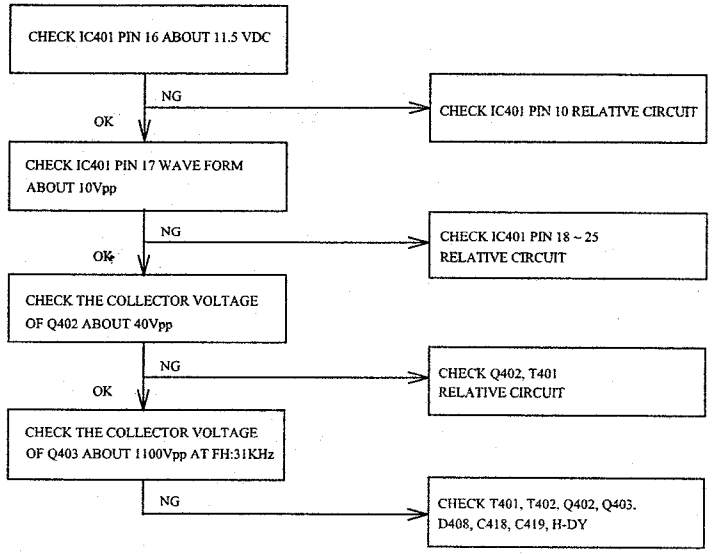

CHECK VIDEO IC801 VCC ABOUT 12V
NG
CHECK THE 12V PIN OF P802 CONNECTOR
OK
CHECK THE OUTPUT VOLTAGE OF IC801 PIN 16, 19, 22 ABOUT 3Vpp
NG
CHECK THE RELATIVE CIRCUIT OF IC801
OK
CHECK THE B+ VOLTAGE OF VIDEO PCB ABOUT 80V
NG
CHECK THE 80V RELATIVE CIRCUIT OF SMPS ON MAIN PCB
OK
CHECK THE VOLTAGE OF CRT CATHODE ABOUT 40Vpp
NG
CHECK THE IC802 RELATIVE CIRCUIT
OK
CHECK THE VOLTAGE OF FBT SCREEN ABOUT 400V TO 700V
LESS THAN 400V
CHECK FBT RELATIVE CIRCUIT
EXCEED 700V
CHECK FBT & CRT RELATIVE CIRCUIT OR REFER ITEM 7-1

6-3 NO BLANKING


CHECK THE RELATIVE CIRCUIT OF BLANKING
NG
CHECK THE RELATIVE CIRCUIT OF C433, D410, R635, R636, IC105 ON MAIN PCB
OK
CHECK IC801 PIN 16 ON VIDEO PCB, CHECK G1 RELATIVE CIRCUIT Q705, R718, C707 ON MAIN PCB

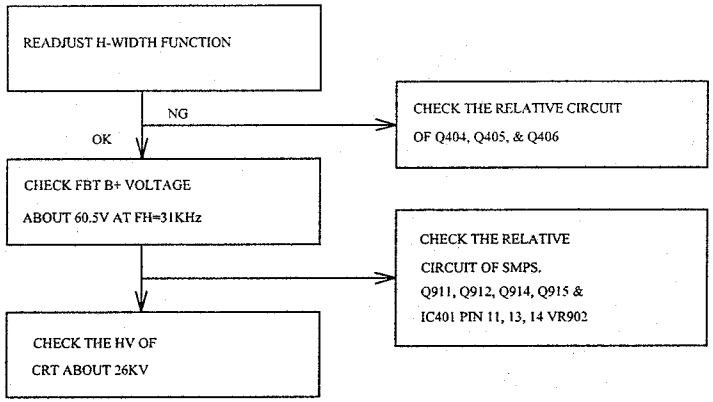
6-4 HOR./OSC/DEF/HV CIRCUIT FAULT

1. NO RASTER (DISCONNECT WITH SIGNAL CABLE)

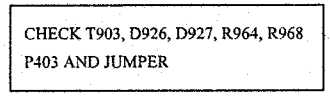

CHECK IC401 PIN 16 ABOUT 11.5 VDC
NG
CHECK IC401 PIN 10 RELATIVE CIRCUIT
OK
CHECK IC401 PIN 17 WAVE FORM ABOUT 10Vpp
NG
CHECK IC401 PIN 18 ~ 25 RELATIVE CIRCUIT
OK
CHECK THE COLLECTOR VOLTAGE OF Q402 ABOUT 40Vpp
NG
CHECK Q402, T401 RELATIVE CIRCUIT
OK
CHECK THE COLLECTOR VOLTAGE OF Q403 ABOUT 1100Vpp AT FH:31KHz
NG
CHECK T401, T402, Q402, Q403, D408, C418, C419, H-DY

6-5 ABNORMAL HORIZONTAL DEFLECTION

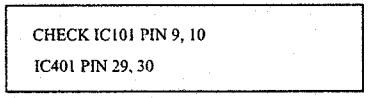
1. ABNORMAL HORIZONTAL WIDTH OF VIDEO



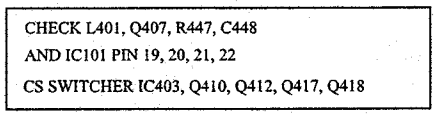
2. ABNORMAL HORIZONTAL RASTER CENTER



3. ABNORMAL HORIZONTAL VIDEO CENTER

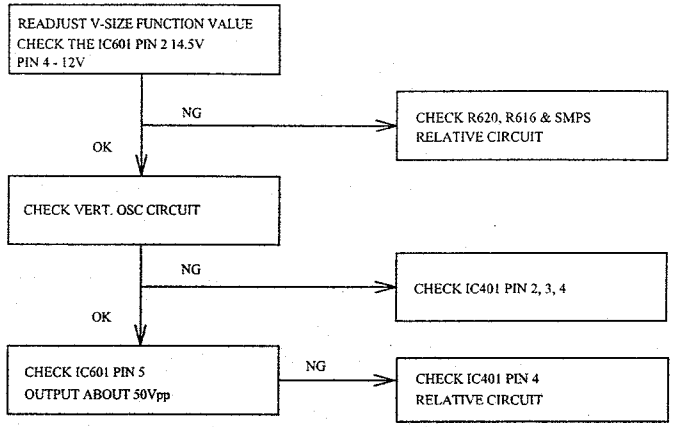


4. ABNORMAL HORIZONTAL LINEARITY

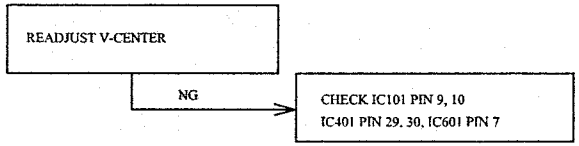


6-6 ABNORMAL VERTICAL SCANNING

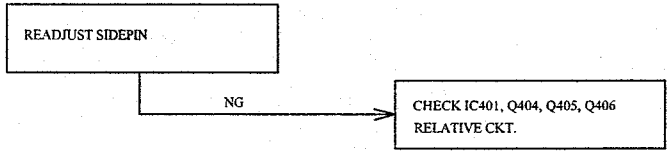
1. ABNORMAL VERTICAL SIZE



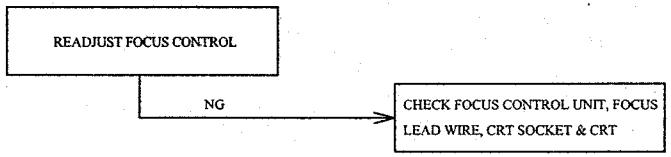
2. VERTICAL CENTER



6-7 SIDE-PIN CUSHION DISTORTION

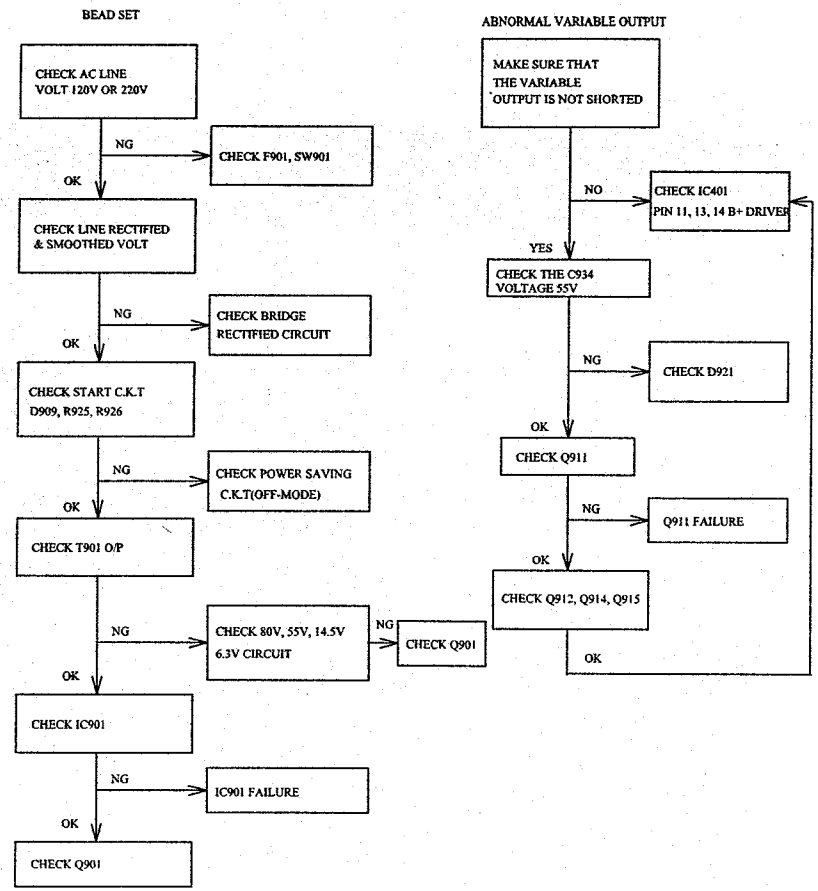


6-8 POOR FOCUS

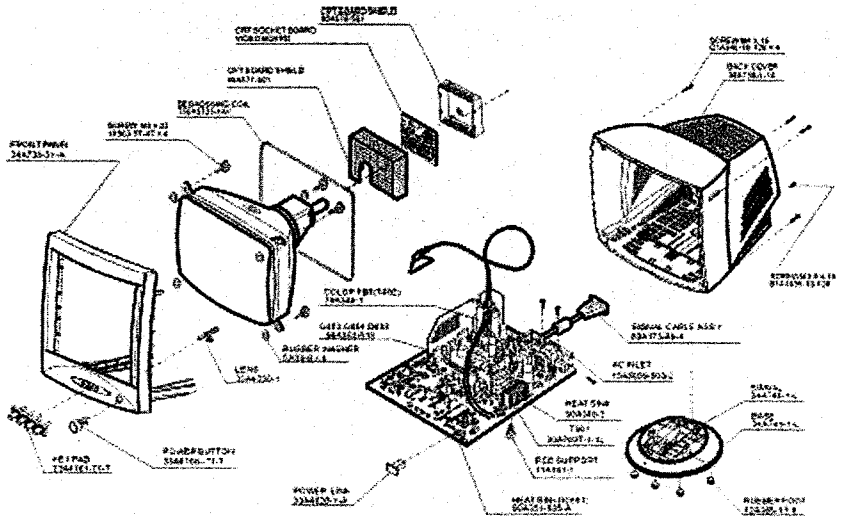


6-9 POWER SUPPLY TROUBLE SHOOTING CHART

BEFORE CHECK SW.REG. PLEASE REFER TO THE POWER SUPPLY BLOCK DIAGRAM
POWER SUPPLY OUTPUT: (A) VARIABLE OUTPUT : 62V - 145V
(DEPENDING EPENDING UPON H.SYNC FREQUENCY)
(B) CONSTANT OUTPUT : 6.3V, 14.5V, 24V, 80V



7. MECHANICAL OF CABINET FRONT DIS-ASSEMBLY



PARTS LIST OF CABINET

LOCATION	PARTS No. (LOW RADIATION 220V)	SPECIFICATION
	CM758S1PFC	CHAS ASS'Y
	CK758S	KEY BOARD
	1A 503- 5 - 47	SCREW
	5A 38- 8	RUBBER WASHER
	11A 112- 500	WIRE MOUNT
	11A 115- 1	FBT CLIP
	12A 385- 1	RUBBER FOOT
	19A 403- 7	STEEL
	26A 800- 504 - 3	BARCODE
	33A 3663- 1	SUPPORT
	33A 4021- Y - A	ENCODEER VR KNOB
	33A 4030- 1	LENS
	33A 4031- Y - A	OSD RNOB
	34A 738- 3Y - A	FRONT PANEL
	34A 739- Y - 1A	REAR CABINET
	34A 740- Y - L	SWIVEL
	34A 741- Y - L	BASE
	40A 154- 501 - 1	HI-POT GND LABEL
	40A 581- 26 - 704	LABEL
⚠1	40A 703S- 615 - 3A	D121 LABEL
	41A 68- 508 - A	CARD
	41A 68- 615 - 1B	WARRANTY STATEMENT
	41A 559- 615 - 11C	MANUAL
	44A 0480- 1N	SLIP SHEET
	44A 0480- 2N	SLIP SHEET
	44A 3222- 1	EPS CUSHION
	44A 3222- 2	EPS CUSHION
	44A 3222- 615 - 4D	CARTON
	45A 76- 20 - RN	PE BAG
	45A 76- 28 - RN	PE BAG
	45A 76- 34 - RN	PE BAG
	45A 77- 3	TRANSPARENT SHEET
	45A 77- 500	BARCODE RIBBON
	45A 77- 501	BARCODE RIBBON
	85A 576- 1	SHIELD
	85A 577- 1	SHIELD
⚠1	89A 404C- 8N - LN	POWER CORD U12CSA
	95A 91- 205 - 579	WIRE HARNESS
	95A 2070- 18A	WIRE
	95A 8013- 2	CONNECTOR
	B1A 1035- 10 - 128	SCREW
	Q1A 340- 16 - 128	SCREW
	Q1A 1030- 10 - 128	SCREW
	705A 769N- F34 - 01N	CAB'T ASS'Y
⚠1	750A 760T- C57 - 02	IC601 ASS'Y
	750A 760T- C56 - 01T	IC601 ASS'Y
	750A 760T- C57 - 02E	Q901 ASS'Y
	750A 761S- C57 - 01	Q403/Q405/Q911 /D408 ASS'Y
	750A 769T- C87 - 01	AC IN SOCKET
	750A 769T- C93 - 01	D921 ASS'Y
	750A 5841- 761 - VS	.27 PHILIPS MPRII ASS'Y
	750A 5841- 761 - 2AV	.27 PHILIPS TCO ASS'Y
	750A 5855- 761 - 5AT	17" CPT MPRII ASS'Y
	750A 5855- 761 - AVT	17" CPT TCO95/99 ASS'Y
	750A 5866- 761 - A3S	17" LG TCO95/99
	750A 5866- 761 - SA3	17" LG MPRII
	750A 5868- 761 - VS	17" .27 LG TOP MPRII ASS'Y
	750A 5868- 761 - T7T	17" .27 LG TOP TCO
	750A 5871- 758 - 2VS	17" ORION TCO ASS'Y
	750A 5871- 761 - AVS	17" ORION MPRII

PARTS LIST OF CHAS

LOCATION	PARTS No.	SPECIFICATION
	715A 757- 1	P.C.BRD
E601	77A 700- 1 - F	ENCODER
H601	95A 8013- 5 - 514	WIRE
R191	61A 602- 822 - 52T	8.2K OHM +-5% 1/6W

LOCATION	PARTS No.	SPECIFICATION
	AIM758SPFC	MAIN BOARD ASS'Y
	CR758SPFC	CRT BOARD ASS'Y
	1A 421- 4 - 128	SCREW
	11A 141- 1	PCB SUPPORT
	15A 5640- 1 - A	AL GND LUG
	15A 5659- 500 - 2	REAR BRACKET
	32A 3028- 8	MICA
	40A 581- 26 - 702	FAIL-SAFE LABEL
	40A 581- 624 - 2A	CHASSIS LABEL
	50A 500- 1	CABLE TIE
	55A 1- 4	SOLDER BAR
	71A 55- 2	FERRITE BEAD
	71A 55- 2 - A	FERRITE BEAD
	71A 55- 2 - A	FERRITE BEAD
	89A 174D- 8DB - BLA	SIGNAL CABLE
	95A 201- 69 - 082	WIRE
	B1A 1040- 10 - 128	SCREW
	D1A 1140- 7 - 128	SCREW
	M1A 1140- 6 - 128	SCREW
	705A 760S- C57 - 02	Q410 ASS'Y
	705A 760T- C56 - 01T	IC601 ASS'Y
	705A 760T- C57 - 02E	Q901 ASS'Y
	705A 761S- C57 - 01	Q403/Q405/Q911 /D408 ASS'Y
	705A 769T- C87 - 01	AC IN SOCKET
	705A 769T- C93 - 01	D921 ASS'Y
	750A 5841- 761 - VS	.27 PHILIPS MPRII ASS'Y
	750A 5841- 761 - 2AV	.27 PHILIPS TCO ASS'Y
	750A 5855- 761 - 5AT	17" CPT MPRII ASS'Y
	750A 5855- 761 - AVT	17" CPT TCO95/99 ASS'Y
	750A 5866- 761 - A3S	17" LG TCO95/99
	750A 5866- 761 - SA3	17" LG MPRII
	750A 5868- 761 - VS	17" .27 LG TOP MPRII ASS'Y
	750A 5868- 761 - T7T	17" .27 LG TOP TCO
	750A 5871- 758 - 2VS	17" ORION TCO ASS'Y
	750A 5871- 761 - AVS	17" ORION MPRII
AS1	95A 205T- 30 - 06A	WIRE
C414	67A 215- 470 - 9H	47UF 100V
C419	63A 210J- 562 - 5FM	5600PF 1KV
C429	63A 210J- 914 - 2MM	0.91UF 250V
C449	65A 2K- 331 - 5A	330PF 2KV
C607	67A 305- 221 - 6	220UF 35V +-20%
C608	67A 305- 102 - 4	1000UF 25V +-20%
C612	67A 305- 102 - 3	1000UF 16V +-20%
C703	67A 305- 109 - 15	1UF 450V
C713	67A 305- 100 - 12	10uF +-20% 250V
C719	64A 178J- 824 - 1A	0.82UF 100V
C900	65A 305M- 472 - 2B2	4700PF +-20% 400VAC
⚠1	63A 107- 224 - 6	0.22UF 250V
	65A 305M- 152 - 2B2	1500PF 400VAC/250VAC
	65A 305M- 332 - 2B2	3300PF 400VAC/250VAC
	67A 305- 151 - 5D	150UF 400V +-20%
C909	67A 305- 102 - 3	1000UF 16V +-20%

LOCATION	PARTS No.				SPECIFICATION
C915	65A	2M-	103 -	3B	0.01uF 2KV 20%
C931	67A	305-	101 -	10J	100Uf 160V
C934	67A	215-	391 -	GFL	390uF 80V
C936	67A	305-	102 -	6	1000uF +-20% 35V
C937	67A	305-	102 -	3	1000UF 16V +-20%
C939	67A	305-	102 -	3	1000uF +-20% 16V
C951	67A	215-	560 -	11J	56uF 200V +-20%
CN902	33A	3074-	1		2P PLUG
F901	73A	7F-	315 -	SC	FUSE 250VAC 3.15A
L401	73A	93-	10		LINE FILTER
D901	81A	52-	65P -	52T	DIODE IN4003
D902	81A	52-	65P -	52T	DIODE IN4003
D903	81A	52-	65P -	52T	DIODE IN4003
D905	81A	52-	65P -	52T	DIODE IN4003
D922	93A	3020-	8		RG-1Z(B-H)
D923	93A	1002-	2		RK36 LFB1
D925	93A	3020-	6P -	52T	UF302G
FBTF	71A	100-	8 -	S	FERRITE BEAD
GND3	9A	203-	8		BRASS PIN
GND4	9A	203-	8		BRASS PIN
H802	95A	8013-	12 -	502	HARNESS
H803	95A	8013-	6 -	14A	WIRE
IC101	56A	1128-	69		NT7386B-P0065
IC401	56A	552-	4		LP61258CT
IC901	56A	579-	92		8P IC KA3842A
IC102	56A	1133-	13		24LC08
IC105	56A	74LS-	14 -	H	HD74LS14P
IC403	56A	212-	2		LM324N 14P
J036	95A	90-	23		TIN COATED
L402	73A	253-	109 -	L	CHOKE COIL
L404	73A	253-	106 -	HJ	CHOKE COIL
L901	73A	174-	16	HJ	LINE FILTER
L902	73A	174-	17	L	LINE FILTER
LED1	81A	10-	6 -	BH	LED/HOLDER
MGND1	95A	205-	30 -	082	WIRE
NR901	61A	58-	8		NTCR 15 OHM
P105	33A	3278-	5		5PIN
P402	33A	3192-	4		4P PLUG
P701	33A	3278-	2		2P PLUG
P903	33A	8009-	3		3P PLUG
PR901	61A	52-	27 -	4W	PTCR 9 OHM
Q412	57A	711-	1		2SK2134
Q417	57A	711-	1		2SK2134
Q908	57A	728-	3		TR. HSB772P/HSB772E
Q909	57A	728-	3		TR. HSB772P/HSB772E
R429	61A	152M-	820 -	64	82 OHM +-5% 2W
R456	61A	153M-	101 -	59	100 OHM +-5% 3W
R616	61A	152M-	229 -	64	2.2 OHM +-5% 2W
R620	61A	208-	229 -	64	2.2 OHM 5% 1W
R723	61A	152M-	121 -	64	120 OHM +-5% 2W
R743	61A	152M-	101 -	64	100 OHM +-5% 2W
R927	61A	153M-	333 -	59	33K OHM +-5% 3W
R929	61A	20K-	338 -	GB1	0.33 OHM +-10% 2W
R955	61A	301-	228 -	64	0.22 OHM +-5% 1/2W
R964	61A	152M-	100 -	64	10 OHM +-5% 2W
R968	61A	152M-	100 -	64	10 OHM +-5% 2W
R969	61A	214Y-	683 -	WT	68K OHM 1/4W
RA101	61A	124-	472 -	10K	10P 4.7K OHM
RA103	61A	124-	472 -	8	8P 4.7K OHM
RY901	77A	260-	5	L	RELAY DC12V G5PA-2
ST401	62A	10-	16 -	J	SPARK GAP 1KV
SW101	77A	602-	1	CJ	TACT SWITCH TSVB-2
T401	79A	167-	110 -	L	DRIVER X'FMR
T901	80A	769T-	1 -	LA	POWER X'FMR

LOCATION	PARTS No.				SPECIFICATION
T701	79A	167-	112 -	LA	DRIVER X'FMR
T903	79A	167-	111 -	LA	DRIVER X'FMR
TP701	9A	211-	2		PIN
TP702	9A	211-	2		PIN
VR701	75A	335-	223		22K OHM +-20%
VR702	75A	335-	204		200K OHM +-20%
VR703	75A	335-	303		30K OHM +-20%
VR901	75A	335-	101		100 OHM +-20%
VR902	75A	335-	303		30K OHM +-20%
X101	93A	22-	22 -	PT	HC-49U 8 MHZ

PARTS LIST OF MAIN PC BOARD

LOCATION	PARTS No.				SPECIFICATION
	715A	753-	1 -	1	MAIN BOARD
	6A	31-	4		BRASS
	95A	90-	23		TIN COATED
(D412)	93A	64-	11 -	52T	DIODE 1N4148
C101	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C102	67A	309-	330 -	3T	33uF +-20% 16V
C103	67A	305-	471 -	3T	470uF +-20% 16V
C105	67A	309-	100 -	7T	10uF +-20% 50V
C117	67A	309-	221 -	3T	220uF +-20% 16V
C127	67A	309-	100 -	7T	10uF +-20% 50V
C130	67A	309-	100 -	7T	10uF +-20% 50V
C131	64A	700J-	103 -	0AT	0.01uF +-5% 50V
C137	65A	442-	101 -	13T	100PF +-5% 50V NPO
C138	65A	442-	101 -	13T	100PF +-5% 50V NPO
C401	67A	309-	109 -	7T	1.0uF 50V +-20%
C402	64A	700J-	102 -	0AT	0.001UF 50V +-5%
C403	64A	45G-	391 -	1AT	390PF +-2% 100V
C404	67A	309-	109 -	7T	1.0uF 50V +-20%
C405	67A	60-	229 -	7T	2.2UF 50V
C406	64A	700J-	333 -	0AT	0.033UF 63V +-5%
C407	64A	700J-	472 -	0AT	4.7NF 100V +-5%
C408	67A	305-	108 -	12T	0.1Uf 250V
C409	67A	309-	479 -	7T	4.7uF +-20% 50V
C410	65A	442-	470 -	9T	47 PF 50V
C411	67A	309-	331 -	3T	330uF 16V
C412	65A	444-	101 -	5T	100PF +-10% 50V Y5P
C413	67A	309-	109 -	7T	1.0UF +-20% 50V
C415	64A	176J-	103 -	1T	0.01UF +-5% 100V
C416	67A	305-	220 -	7T	22uF +-20% 50V
C417	64A	701J-	154 -	0AT	0.15F +-5% 50V
C420	65A	444-	103 -	13T	10000PF +-10% Z5P 50V
C421	65A	444-	102 -	5T	1000PF 10% 50V Y5P
C422	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C423	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C424	67A	309-	100 -	7T	10uF +-20% 50V
C426	67A	70-	478 -	9T	0.47UF 100V NP
C432	65A	517K-	472 -	1T	4700PF 500V
C433	64A	176J-	224 -	1T	0.22uF +-5% 100V
C434	67A	309-	100 -	7T	10uF +-20% 50V
C435	65A	444-	102 -	5T	1000PF +-10% Y5P 50V
C436	65A	450-	104 -	7T	0.1UF 50V +80-20%
C437	67A	309-	109 -	7T	1.0UF +-20% 50V
C440	65A	450-	104 -	7T	0.1UF 50V +80-20%
C441	67A	309-	109 -	7T	1.0uF +-20% 50V
C444	65A	442-	181 -	13T	180PF +-5% 50V NPO
C445	65A	444-	103 -	13T	10000PF +-10% 50V
C448	65A	444-	681 -	1T	680PF 50V

LOCATION	PARTS No.				SPECIFICATION
C451	65A	444-	101 -	5T	100PF 10% Y5P 50V
C452	67A	309-	330 -	3T	33UF +-20% 16V
C454	65A	450-	104 -	7T	0.1UF 50V +80-20%
C455	67A	309-	109 -	7T	1.0uF +-20% 50V
C457	65A	442-	471 -	9T	470PF 50V
C461	67A	305-	479 -	7T	4.7uF +-20% 50V
C481	67A	309-	101 -	4T	100uF +-20% 25V
C603	67A	309-	330 -	3T	33UF +-20% 16V
C604	64A	46J-	333 -	0AT	0.033UF 50V
C605	65A	444-	471 -	5T	470PF +-10% 50V
C606	65A	444-	101 -	5T	100PF 10% Y5P 50V
C609	65A	444-	103 -	5T	0.01UF 10% Y5P 50V
C610	67A	309-	109 -	7T	1.0UF +-20% 50V
C611	64A	701J-	224 -	0AT	0.22uF +-5% 50V
C613	65A	444-	103 -	5T	0.01UF 10% Y5P 50V
C614	67A	305-	108 -	7T	0.1UF +-20% 50V
C616	67A	305-	229 -	7T	2.2UF +-20% 50V
C701	67A	309-	100 -	7T	10uF +-20% 50V
C702	65A	1K-	471 -	2T	470PF 1KV +-10%
C704	67A	309-	100 -	7T	10uF +-20% 50V
C707	64A	176J-	104 -	2T	0.1uF 250V +-5%
C708	67A	309-	100 -	7T	10uF +-20% 50V
C710	67A	215-	478 -	7T	0.47uF 50V
C711	65A	444-	222 -	5T	2200PF 10% Y5P 50V
C717	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C720	65A	444-	102 -	13T	1000PF +-10% Y5P 50V
C905	67A	305-	229 -	7T	2.2uF +-20% 50V
C906	65A	444-	681 -	1T	680PF 50V
C916	67A	305-	101 -	4T	100uF +-20% 25V
C918	64A	700J-	332 -	0AT	3.3NF +-5% 50V
C919	64A	700J-	102 -	0AT	0.001UF +-5% 50V
C920	65A	444-	102 -	5T	1000PF +-10% 50V
C921	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C922	65A	517M-	103 -	3T	10NF +-20% 500V
C923	65A	1K-	221 -	2T	220PF 1KV +-10%
C924	64A	700J-	332 -	0AT	3.3NF +-5% 50V
C926	65A	UP05-	104 -	7TM	0.1UF 50V
C930	67A	305-	470 -	7T	47uF +-20% 50V
C935	67A	305-	470 -	7T	47uF +-20% 50V
C940	67A	309-	220 -	7T	22uF +-20% 50V
C941	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C942	65A	442-	470 -	9T	47PF 50V
C943	67A	309-	220 -	7T	22UF +-20% 50V
C944	67A	309-	100 -	7T	10uF +-20% 50V
C950	65A	1K-	221 -	2T	220PF 1KV +-10%
C952	67A	305-	100 -	7T	10uF +-20% 50V
C957	64A	700J-	333 -	0AT	0.033Uf +-5% 63V
C958	64A	700J-	222 -	0AT	2.2NF +-5% 50V
D101	93A	64-	11 -	52T	DIODE IN4148
D102	93A	60-	105 -	52T	DINS-4060
D402	93A	64-	507 -	52T	FAST RECOVERY DIODE
D403	93A	64-	11 -	52T	DIODE IN4148
D404	93A	1040-	2 -	52T	UF4004
⚠1 D405	93A	1002-	5W	52T	IN5817
D406	93A	1060-	501 -	52T	BYV26C
D407	93A	64-	11 -	52T	DIODE IN4148
D409	93A	64-	11 -	52T	DIODE IN4148
D410	93A	64-	507 -	52T	FAST RECOVERY DIODE
D411	93A	64-	11 -	52T	DIODE IN4148
D413	93A	64-	11 -	52T	DIODE IN4148
D414	93A	60-	21P -	52T	PS156R
D415	93A	60-	21P -	52T	PS156R
D416	93A	60-	21P -	52T	PS156R
D418	93A	64-	11 -	52T	DIODE IN4148

LOCATION	PARTS No.				SPECIFICATION
D420	93A	64-	11 -	52T	DIODE IN4148
D601	93A	52-	11R -	52T	DIODE 1N4002
D602	93A	64-	11 -	52T	DIODE 1N4148
D704	93A	1060-	6 -	52T	BYV26C
D705	93A	60-	21P -	52T	PS156R
D706	93A	60-	21P -	52T	PS156R
D707	95A	90-	23		TIN COATED
D708	93A	60-	21P -	52T	PS156R
D709	93A	64-	11 -	52T	DIODE IN4148
D710	93A	64-	11 -	52T	DIODE IN4148
D905	93A	64-	31T -	52T	S.W DIODE BAV20
D906	93A	2040-	1A		ER204
D909	93A	52-	12T -	52T	1N4007
D910	93A	1060-	6 -	52T	F.R.D BYV26C
D911	93A	64-	31T -	52T	S.W DIODE BAV20
D913	93A	64-	11 -	52T	DIODE IN4148
D914	93A	64-	11 -	52T	DIODE IN4148
⚠1 D919	93A	1060-	6 -	52T	BYV26C
D924	93A	64-	11 -	52T	DIODE IN4148
D926	93A	60-	38P -	52T	PS102R
D927	93A	60-	38P -	52T	PS102R
D928	95A	90-	23		TIN COATED
D929	93A	39-	59 -	52T	HZ4C2
D939	93A	64-	11 -	52T	DIODE IN4148
FB401	95A	90-	23		TIN COATED
FB903	71A	55-	9 -	T	SHIELD BEAD
FB904	71A	55-	19 -	T	BEAD
J001	71A	55-	19 -	T	BEAD
J002	95A	90-	23		TIN COATED
J003	95A	90-	23		TIN COATED
J006	95A	90-	23		TIN COATED
J007	71A	55-	19 -	T	BEAD
J008	95A	90-	23		TIN COATED
J009	95A	90-	23		TIN COATED
J010	95A	90-	23		TIN COATED
J011	95A	90-	23		TIN COATED
J012	95A	90-	23		TIN COATED
J014	95A	90-	23		TIN COATED
J015	95A	90-	23		TIN COATED
J017	95A	90-	23		TIN COATED
J018	95A	90-	23		TIN COATED
J019	95A	90-	23		TIN COATED
J021	95A	90-	23		TIN COATED
J022	95A	90-	23		TIN COATED
J023	95A	90-	23		TIN COATED
J024	95A	90-	23		TIN COATED
J025	95A	90-	23		TIN COATED
J026	95A	90-	23		TIN COATED
J027	95A	90-	23		TIN COATED
J029	95A	90-	23		TIN COATED
J031	95A	90-	23		TIN COATED
J032	95A	90-	23		TIN COATED
J034	95A	90-	23		TIN COATED
J037	95A	90-	23		TIN COATED
J038	95A	90-	23		TIN COATED
J039	95A	90-	23		TIN COATED
J040	95A	90-	23		TIN COATED
J041	95A	90-	23		TIN COATED
J042	95A	90-	23		TIN COATED
J043	95A	90-	23		TIN COATED
J044	95A	90-	23		TIN COATED
J045	95A	90-	23		TIN COATED
J052	95A	90-	23		TIN COATED
J053	95A	90-	23		TIN COATED

LOCATION	PARTS No.	SPECIFICATION
J055	61A 602- 101 - 52T	100 OHM +-5% 1/6W
J056	61A 602- 101 - 52T	100 OHM +-5% 1/6W
J057	95A 90- 23	TIN COATED
J058	95A 90- 23	TIN COATED
J059	95A 90- 23	TIN COATED
J060	95A 90- 23	TIN COATED
J061	95A 90- 23	TIN COATED
J062	95A 90- 23	TIN COATED
J063	61A 602- 101 - 52T	100 OHM +-5% 1/6W
J064	61A 602- 101 - 52T	100 OHM +-5% 1/6W
J065	95A 90- 23	TIN COATED
J066	95A 90- 23	TIN COATED
J068	95A 90- 23	TIN COATED
J069	95A 90- 23	TIN COATED
J070	95A 90- 23	TIN COATED
J071	95A 90- 23	TIN COATED
J072	95A 90- 23	TIN COATED
J073	95A 90- 23	TIN COATED
J074	95A 90- 23	TIN COATED
J075	95A 90- 23	TIN COATED
J076	95A 90- 23	TIN COATED
J077	95A 90- 23	TIN COATED
J078	95A 90- 23	TIN COATED
J079	95A 90- 23	TIN COATED
J080	95A 90- 23	TIN COATED
J081	95A 90- 23	TIN COATED
J082	95A 90- 23	TIN COATED
J083	95A 90- 23	TIN COATED
J084	95A 90- 23	TIN COATED
J085	95A 90- 23	TIN COATED
J086	95A 90- 23	TIN COATED
J087	95A 90- 23	TIN COATED
J088	95A 90- 23	TIN COATED
J089	95A 90- 23	TIN COATED
J090	95A 90- 23	TIN COATED
J092	95A 90- 23	TIN COATED
J093	95A 90- 23	TIN COATED
J094	95A 90- 23	TIN COATED
J095	95A 90- 23	TIN COATED
J096	95A 90- 23	TIN COATED
J097	95A 90- 23	TIN COATED
J098	95A 90- 23	TIN COATED
J099	95A 90- 23	TIN COATED
J100	61A 172- 102 - 52T	1K OHM 5% 1/4W
J101	95A 90- 23	TIN COATED
J102	95A 90- 23	TIN COATED
J103	95A 90- 23	TIN COATED
J104	95A 90- 23	TIN COATED
J105	95A 90- 23	TIN COATED
J106	95A 90- 23	TIN COATED
J107	95A 90- 23	TIN COATED
J108	95A 90- 23	TIN COATED
J109	95A 90- 23	TIN COATED
J110	95A 90- 23	TIN COATED
J111	95A 90- 23	TIN COATED
J113	95A 90- 23	TIN COATED
J114	61A 602- 101 - 52T	100 OHM +-5% 1/6W
J115	95A 90- 23	TIN COATED
J116	95A 90- 23	TIN COATED
J117	95A 90- 23	TIN COATED
J118	95A 90- 23	TIN COATED
J119	95A 90- 23	TIN COATED
J120	95A 90- 23	TIN COATED
J122	95A 90- 23	TIN COATED

LOCATION	PARTS No.	SPECIFICATION
J123	95A 90- 23	TIN COATED
J124	95A 90- 23	TIN COATED
J125	95A 90- 23	TIN COATED
J126	95A 90- 23	TIN COATED
J127	95A 90- 23	TIN COATED
J128	95A 90- 23	TIN COATED
J129	95A 90- 23	TIN COATED
J130	95A 90- 23	TIN COATED
J132	95A 90- 23	TIN COATED
J133	95A 90- 23	TIN COATED
J134	95A 90- 23	TIN COATED
J138	95A 90- 23	TIN COATED
J139	95A 90- 23	TIN COATED
J140	95A 90- 23	TIN COATED
J141	95A 90- 23	TIN COATED
J144	95A 90- 23	TIN COATED
J146	95A 90- 23	TIN COATED
J147	95A 90- 23	TIN COATED
J148	95A 90- 23	TIN COATED
J149	95A 90- 23	TIN COATED
J151	95A 90- 23	TIN COATED
J152	95A 90- 23	TIN COATED
J154	95A 90- 23	TIN COATED
J158	95A 90- 23	TIN COATED
J159	95A 90- 23	TIN COATED
J160	95A 90- 23	TIN COATED
J162	95A 90- 23	TIN COATED
J163	95A 90- 23	TIN COATED
L101	73A 54- 339 - 10T	3.3UH +-10%
L403	95A 90- 23	TIN COATED
L405	73A 54- 101 - 10T	100UH +-10%
Q101	57A 420- P - T	TR. 2SA733P/NEC
Q102	57A 446- 3 - T	2SC2120-Y
Q401	57A 419- SG - T	TR. KSC945C-G
Q402	57A 521- 1 - T	TR. 2SD667AC
Q404	57A 619- 1 - T	TR. 2SA673AC
Q406	57A 420- SG - T	TR. KSA733C-G
Q407	57A 446- 1 - T	2SC1213AC
Q408	57A 420- SG - T	TR. KSA733C-G
Q409	57A 420- SG - T	TR. KSA733C-G
Q411	57A 419- SG - T	TR. KSC945C-G
Q413	57A 420- SG - T	TR. KSA733C-G
Q414	57A 419- SG - T	TR. KSC945C-G
Q415	57A 721- 1 - T	TR. DTC114ES
Q420	57A 420- P - T	TR. 2SA733P/NEC
Q421	57A 419- Y - T	TR. 2SC1815Y
Q601	57A 419- SG - T	TR. KSC945C-G
Q602	57A 420- P - T	TR. 2SA733P/NEC
Q701	57A 419- SG - T	TR. KSC945C-G
Q702	57A 420- P - T	TR. 2SA733P/NEC
Q703	57A 420- P - T	TR. 2SA733P/NEC
Q704	57A 446- 1 - T	TR. 2SC1213AC
Q705	57A 419- Y - T	TR. 2SC1815Y
Q706	57A 498- 1 - T	TR BF 423
Q707	57A 419- SG - T	TR. KSC945C-G
Q708	57A 493- 10 - T	TR. BF422
Q709	57A 419- SG - T	TR. KSC945C-G
Q910	57A 419- SG - T	TR. KSC945C-G
Q912	57A 446- 1 - T	TR. 2SC1213AC
Q913	57A 419- SG - T	TR. KSC945C-G
Q914	57A 419- SG - T	TR. KSC945C-G
Q915	57A 619- 1 - T	TR. 2SA673AC
Q916	57A 419- SG - T	TR. KSC945C-G
Q917	57A 521- 1 - T	TR. 2SD667AC

LOCATION	PARTS No.	SPECIFICATION
R105	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R106	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R107	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R108	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R109	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R110	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R111	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R112	61A 172- 101 - 52T	100 OHM +-5% 1/4W
R113	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R117	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R118	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R119	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R120	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R121	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R130	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R131	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R132	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R140	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R142	61A 172- 105 - 52T	1MEG OHM +-5% 1/4W
R143	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R162	61A 172- 181 - 52T	180 OHM +-5% 1/4W
R167	61A 602- 105 - 52T	1 MEG OHM +-5% 1/6W
R186	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R189	61A 172- 151 - 52T	150 OHM +-5% 1/4W
R401	61A 602- 332 - 52T	3.3K OHM +-5% 1/6W
R404	61A 602- 474 - 52T	470K OHM +-5% 1/6W
R407	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R409	61A 172- 223 - 52T	22K OHM +-5% 1/4W
R410	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R411	61A 172- 105 - 52T	1MEG OHM +-5% 1/4W
R412	61A 602- 163 - 52T	16K OHM +-5% 1/6W
R413	61A 210- 103 - 52T	10K OHM +-1% 1/6W
R415	61A 602- 223 - 52T	22K OHM +-5% 1/6W
R417	61A 602- 223 - 52T	22K OHM +-5% 1/6W
R418	61A 602- 563 - 52T	56K OHM +-5% 1/6W
R419	61A 602- 394 - 52T	390 OHM +-5% 1/6W
R420	61A 172- 103 - 52T	10K OHM +-5% 1/4W
R421	61A 602- 221 - 52T	220 OHM +-5% 1/6W
R422	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R423	61A 172- 102 - 52T	1K OHM +-5% 1/4W
R424	61A 602- 100 - 52T	10 OHM +-5% 1/6W
R425	61A 175S- 330 - 52T	33 OHM +-5% 1/2W
R427	61A 175L- 220 - 52T	22 OHM +-5% 1/2W
R431	61A 602- 682 - 52T	6.8K OHM +-5% 1/6W
R432	61A 602- 563 - 52T	56K OHM +-5% 1/6W
R433	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R434	61A 602- 303 - 52T	30K OHM +-5% 1/6W
R437	61A 602- 333 - 52T	33K OHM +-5% 1/6W
R438	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R440	61A 172- 154 - 52T	150K OHM +-5% 1/4W
R441	61A 602- 563 - 52T	56K OHM +-5% 1/6W
R442	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R443	61A 210- 132 - 52T	1.3K OHM +-1% 1/6W
R444	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R445	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R446	61A 172- 154 - 52T	150K OHM +-5% 1/4W
R447	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R448	61A 602- 563 - 52T	56K OHM +-5% 1/6W
R449	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R450	61A 602- 474 - 52T	470K OHM +-5% 1/6W
R451	61A 210- 271 - 52T	270 OHM +-1% 1/6W
R452	61A 602- 163 - 52T	16K OHM +-5% 1/6W
R453	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R454	95A 90- 23	TIN COATED

LOCATION	PARTS No.	SPECIFICATION
R458	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R459	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R460	61A 172- 154 - 52T	150K OHM +-5% 1/4W
R461	61A 602- 563 - 52T	56K OHM +-5% 1/6W
R462	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R470	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R471	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R474	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R475	61A 602- 474 - 52T	470K OHM +-5% 1/6W
R477	61A 602- 913 - 52T	91K OHM +-5% 1/6W
R478	61A 602- 222 - 52T	2.2K OHM +-5% 1/6W
R479	61A 602- 332 - 52T	3.3K OHM +-5% 1/6W
R482	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R483	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R484	61A 602- 474 - 52T	470K OHM +-5% 1/6W
R485	61A 602- 105 - 52T	1MEG OHM +-5% 1/6W
R601	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R602	61A 602- 202 - 52T	2K OHM +-5% 1/6W
R603	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R604	61A 210- 471 - 52T	470 OHM +-1% 1/6W
R606	61A 602- 682 - 52T	6.8K OHM +-5% 1/6W
R607	61A 602- 123 - 52T	12K OHM +-5% 1/6W
R608	61A 210- 473 - 52T	47K OHM +-1% 1/6W
R610	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R612	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R613	61A 602- 682 - 52T	6.8K OHM +-5% 1/6W
R614	61A 210- 103 - 52T	10K OHM +-1% 1/6W
R615	61A 210- 303 - 52T	30K OHM +-1% 1/6W
R617	61A 175L- 151 - 52T	150 OHM +-5% 1/2W
R619	61A 175L- 159 - 52T	1.5 OHM +-5% 1/2W
R621	61A 172- 471 - 52T	470 OHM +-5% 1/4W
R701	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R702	61A 602- 913 - 52T	91K OHM +-5% 1/6W
R703	61A 602- 622 - 52T	6.2K OHM +-5% 1/6W
R704	61A 172- 182 - 52T	1.8K OHM +-5% 1/4W
R705	61A 602- 101 - 52T	100 OHM +-5% 1/6W
R706	61A 602- 100 - 52T	10 OHM +-5% 1/6W
R707	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R708	61A 602- 823 - 52T	82K OHM +-5% 1/6W
R709	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R710	61A 175L- 150 - 52T	15 OHM +-5% 1/2W
R711	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R713	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R714	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R715	95A 90- 23	TIN COATED
R718	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R719	61A 210- 112 - 52T	1.1K OHM +-1% 1/6W
R720	61A 172S- 125 - 52T	1.2M OHM +-5% 1/4W
R721	61A 602- 513 - 52T	51K OHM +-5% 1/6W
R722	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R724	61A 175S- 105 - 52T	1MEG OHM +-5% 1/2W
R726	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R728	61A 175L- 105 - 52T	1MEG OHM +-5% 1/2W
R729	61A 602- 103 - 52T	10K OHM +-5% 1/6W
R730	61A 172- 479 - 52T	4.7 OHM +-5% 1/4W
R731	61A 175L- 274 - 52T	270K OHM +-5% 1/2W
R733	61A 602- 823 - 52T	82K OHM +-5% 1/6W
R734	61A 172- 475 - 52T	4.7MEG OHM +-5% 1/4W
R735	61A 602- 182 - 52T	1.8K OHM +-5% 1/6W
R738	61A 602- 822 - 52T	8.2K OHM +-5% 1/6W
R739	61A 172- 102 - 52T	1K OHM +-5% 1/4W
R740	61A 175L- 274 - 52T	270K OHM +-5% 1/2W
R741	61A 602- 472 - 52T	4.7K OHM +-5% 1/6W
R742	61A 175L- 154 - 52T	150K OHM +-5% 1/2W

LOCATION	PARTS No.				SPECIFICATION
R744	61A	602-	302 -	52T	3K OHM +-5% 1/6W
R745	61A	602-	182 -	52T	1.8K OHM +-5% 1/6W
R900	61A	175L-	106 -	52T	10M OHM +-5% 1/2W
R901	61A	175L-	474 -	52T	470K OHM +-5% 1/2W
R902	61A	602-	242 -	52T	2.4K OHM +-5% 1/6W
R903	61A	602-	361 -	52T	360 OHM +-5% 1/6W
R904	95A	90-	23		TIN COATED
R905	61A	212Y-	105 -	52T	1M OHM 1/2W
R923	95A	90-	23		TIN COATED
R924	61A	212Y-	104 -	52T	100K OHM 1/2W
R928	71A	55-	23		FERRITE BEAD
R930	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R931	61A	172-	479 -	52T	4.7 OHM +-5% 1/4W
R932	95A	90-	23		TIN COATED
R934	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R935	61A	172-	154 -	52T	150K OHM +-5% 1/4W
R936	61A	172-	222 -	52T	2.2K OHM +-5% 1/4W
R937	61A	172-	151 -	52T	150 OHM +-5% 1/4W
R938	61A	172-	220 -	52T	22 OHM +-5% 1/4W
R939	61A	172-	203 -	52T	20K OHM +-5% 1/4W
R940	61A	171-	183 -	52T	18K OHM +-2% 1/4W
R941	61A	172-	101 -	52T	100 OHM +-5% 1/4W
R942	61A	172-	151 -	52T	150 OHM +-5% 1/4W
R954	61A	175L-	104 -	52T	100K OHM +-5% 1/2W
R956	61A	172-	272 -	52T	2.7K OHM +-5% 1/4W
R957	61A	172-	473 -	52T	47K OHM +-5% 1/4W
R958	61A	175L-	102 -	52T	1K OHM +-5% 1/2W
R959	61A	602-	223 -	52T	22K OHM +-5% 1/6W
R960	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R961	61A	175L-	101 -	52T	100 OHM +-5% 1/2W
R962	61A	172-	220 -	52T	22 OHM +-5% 1/4W
R963	61A	172-	100 -	52T	10 OHM +-5% 1/4W
R971	61A	172-	103 -	52T	10K OHM +-5% 1/4W
R972	61A	602-	682 -	52T	6.8K OHM +-5% 1/6W
R973	61A	602-	124 -	52T	120K OHM +-5% 1/6W
R974	61A	602-	101 -	52T	100 OHM +-5% 1/6W
R976	61A	175L	101 -	52T	100 OHM +-5% 1/2W
R977	61A	172-	103 -	52T	10K OHM +-5% 1/4W
R978	61A	172-	103 -	52T	10K OHM +-5% 1/4W
R981	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R982	61A	172-	471 -	52T	470 OHM +-5% 1/4W
R983	61A	602-	223 -	52T	22K OHM +-5% 1/6W
ZD101	93A	39-	73 -	52T	ZD HZ6B1
ZD401	93A	39-	514 -	52T	ZD HZ9A3
ZD402	93A	39-	73 -	52T	ZD HZ6B1
ZD406	93A	39-	77 -	52T	HZ5C1
ZD407	93A	39-	513 -	52T	HZ6C2
ZD601	93A	39-	516 -	52T	TZX5V1B
ZD703	93A	39-	24 -	52T	ZD HZ15-2
ZD704	61A	602-	103 -	52T	10K OHM 5% 1/6W
ZD901	93A	39-	522 -	52T	ZD TZX20B
ZD903	93A	39-	113 -	52T	HZ20-2
ZD904	93A	39-	519 -	52T	TZX8V2B

PARTS LIST OF CRT PC BOARD

LOCATION	PARTS No. AIR758SPFC				SPECIFICATION CRT BOARD
	40A	581-	26 -	605	LABEL
	55A	1-	4		SOLDER BAR
	87A	3504-	QJ		CRT SOCKET
	705A	760S-	R56 -	02	IC803 ASS'Y
C874	65A	2M-	103 -	3B	0.01UF 2KV +-20%
G2	9A	203-	8		BRASS PIN
GND	9A	203-	8		BRASS PIN
IC801	56A	1131-	6		TDA4565A
IC802	56A	1131-	7		NT6828-000013
J809	71A	55-	19 -	T	BEAD
P801	33A	3278-	11A		11P PLUG
P802	33A	3278-	12		12 PIN
P803	33A	3278-	6		6P PLUG
R820	61A	208-	330 -	64	33 OHM 1W 5%
R872	61A	175L-	101 -	52T	100 OHM +-5% 1/2W
SG801	62A	10-	2 -	JT	SPARK-GAP 200V
SG802	62A	10-	2 -	JT	SPARK-GAP 200V
SG803	62A	10-	2 -	JT	SPARK-GAP 200V
SG804	62A	10-	16 -	J	SPARK-GAP 1KV

PARTS LIST OF CRT AUTO INS. PC BOARD

LOCATION	PARTS No.				SPECIFICATION
	6A	31-	4		BRASS
	715A	764-	1		CRPC BOARD
C801	64A	176J-	104 -	0T	0.1uF +-5% 63V
C802	64A	176J-	104 -	0T	0.1uF +-5% 63V
C803	64A	176J-	104 -	0T	0.1uF +-5% 63V
C804	67A	309-	221 -	3T	220uF +-20% 16V
C805	67A	309-	101 -	3T	100uF +-20% 16V
C806	67A	309-	101 -	3T	100uF +-20% 16V
C807	65A	450-	104 -	7T	0.1uF +80-20% 50V
C809	67A	309-	109 -	7T	1.0uF +-20% 50V
C813	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C814	65A	444-	102 -	13T	1000PF +-10% 50V
C815	65A	442-	101 -	13T	100PF +-5% 50V NPO
C816	67A	309-	101 -	3T	100uF +-20% 16V
C817	64A	176J-	103 -	1T	0.01UF +-5% 100V
C818	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C819	65A	442-	101 -	13T	100PF +-5% 50V NPO
C820	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C821	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C822	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C824	65A	442-	101 -	13T	100PF +-5% 50V NPO
C826	65A	442-	100 -	13T	10PF +-5% 50V NPO
C827	65A	442-	100 -	13T	10PF +-5% 50V NPO
C828	65A	442-	100 -	13T	10PF +-5% 50V NPO
C840	67A	309-	109 -	9T	1Uf +-20% 100V
C851	67A	309-	470 -	7T	47uF +-20% 50V
C852	65A	450-	104 -	7T	0.1UF 50V +80-20%
C853	67A	70-	109 -	9T	1UF 100V
C854	67A	70-	109 -	9T	1UF 100V
C855	67A	70-	109 -	9T	1UF 100V
C856	67A	309-	109 -	9T	1uF +-20% 100V
C857	67A	309-	109 -	9T	1uF +-20% 100V
C858	67A	309-	109 -	9T	1uF +-20% 100V

LOCATION	PARTS No.	SPECIFICATION
C859	65A 450- 104 - 7T	0.1UF 50V +80-20%
C860	65A 450- 104 - 7T	0.1UF 50V +80-20%
C861	65A 450- 104 - 7T	0.1UF 50V +80-20%
C862	64A 176J- 104 - 1T	0.1UF +-5% 100V
C864	64A 176J- 104 - 1T	0.1UF +-5% 100V
C865	67A 309- 109 - 9T	1uF +-20% 100V
C866	64A 176J- 104 - 1T	0.1UF +-5% 100V
C867	67A 309- 109 - 9T	1uF +-20% 100V
C870	67A 309- 220 - 9T	22uF +-20% 100V
C871	67A 309- 100 - 7T	10uF +-20% 50V
C873	65A 517K- 102 - 5T	1000PF 500V +-10%
C875	65A 450- 104 - 7T	0.1UF 50V +80-20%
D801	93A 64- 11 - 52T	DIODE IN4148
D802	93A 64- 11 - 52T	DIODE IN4148
D803	93A 64- 11 - 52T	DIODE IN4148
D804	93A 64- 11 - 52T	DIODE IN4148
D805	93A 64- 11 - 52T	DIODE IN4148
D806	93A 64- 11 - 52T	DIODE IN4148
D850	93A 64- 507 - 52T	FAST RECOVERY DIODE
D851	93A 64- 507 - 52T	FAST RECOVERY DIODE
D852	93A 64- 507 - 52T	FAST RECOVERY DIODE
D853	93A 64- 507 - 52T	FAST RECOVERY DIODE
D854	93A 64- 507 - 52T	FAST RECOVERY DIODE
D855	93A 64- 507 - 52T	FAST RECOVERY DIODE
D856	93A 64- 11 - 52T	DIODE IN4148
D857	93A 64- 11 - 52T	DIODE IN4148
D858	93A 64- 11 - 52T	DIODE IN4148
D859	95A 90- 23	TIN COATED
D860	95A 90- 23	TIN COATED
D861	95A 90- 23	TIN COATED
D863	93A 52- 9T - 52T	2A 600V 2A05
FB801	61A 175L- 628 - 52T	0.6 OHM 1/2W
FB802	95A 90- 23	TIN COATED
FB803	95A 90- 23	TIN COATED
FB804	95A 90- 23	TIN COATED
FB809	71A 55- 19 - T	BEAD
FB850	71A 55- 19 - T	BEAD
FB851	71A 55- 19 - T	BEAD
J801	95A 90- 23	TIN COATED
J802	95A 90- 23	TIN COATED
J803	95A 90- 23	TIN COATED
J804	95A 90- 23	TIN COATED
J805	71A 55- 19 - T	BEAD
J807	95A 90- 23	TIN COATED
J808	95A 90- 23	TIN COATED
J810	71A 55- 19 - T	BEAD
J811	95A 90- 23	TIN COATED
J812	95A 90- 23	TIN COATED
J813	95A 90- 23	TIN COATED
J814	95A 90- 23	TIN COATED
J816	95A 90- 23	TIN COATED
L801	61A 172- 101 - 26T	100 OHM +-5% 1/4W
L850	73A 54- 478 - 10T	0.47UH +-10%
L851	73A 54- 478 - 10T	0.47UH +-10%
L852	73A 54- 478 - 10T	0.47UH +-10%
Q850	57A 493- 10 - T	TR. BF422
Q851	57A 493- 10 - T	TR. BF422
Q852	57A 493- 10 - T	TR. BF422
Q853	57A 419- SG - T	TR. KSC945C-G
Q854	57A 419- SG - T	TR. KSC945C-G
Q855	57A 419- SG - T	TR. KSC945C-G
R801	61A 602- 750 - 26T	75 OHM +-5% 1/6W
R802	61A 602- 750 - 26T	75 OHM +-5% 1/6W
R803	61A 602- 750 - 26T	75 OHM +-5% 1/6W
R804	61A 602- 330 - 26T	33 OHM +-5% 1/6W

LOCATION	PARTS No.	SPECIFICATION
R805	61A 602- 330 - 26T	33 OHM +-5% 1/6W
R806	61A 602- 330 - 26T	33 OHM +-5% 1/6W
R807	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R808	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R809	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R810	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R811	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R812	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R816	61A 602- 102 - 26T	1K OHM +-5% 1/6W
R817	61A 172- 333 - 26T	33K OHM +-5% 1/4W
R818	61A 602- 203 - 26T	20K OHM +-5% 1/6W
R819	95A 90- 23	TIN COATED
R821	61A 172- 151 - 26T	150 OHM +-5% 1/4W
R822	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R823	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R824	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R825	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R826	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R827	61A 602- 471 - 26T	470 OHM +-5% 1/6W
R828	61A 602- 103 - 26T	10K OHM +-5% 1/6W
R829	61A 602- 103 - 26T	10K OHM +-5% 1/6W
R830	61A 602- 562 - 26T	5.6K OHM +-5% 1/6W
R831	61A 602- 752 - 26T	7.5K OHM +-5% 1/6W
R832	61A 602- 562 - 26T	5.6K OHM +-5% 1/6W
R833	61A 602- 474 - 26T	470K OHM +-5% 1/6W
R837	61A 602- 102 - 52T	1K OHM +-5% 1/6W
R841	61A 172- 105 - 26T	1MEG OHM +-5% 1/4W
R842	61A 172- 105 - 26T	1MEG OHM +-5% 1/4W
R843	61A 172- 105 - 26T	1MEG OHM +-5% 1/4W
R850	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R851	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R852	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R853	61A 602- 100 - 26T	10 OHM +-5% 1/6W
R854	61A 172- 111 - 26T	110 OHM +-5% 1/4W
R855	61A 172- 111 - 26T	110 OHM +-5% 1/4W
R856	61A 172- 111 - 26T	110 OHM +-5% 1/4W
R857	61A 172- 105 - 26T	1MEG OHM +-5% 1/4W
R858	61A 172- 105 - 26T	1MEG OHM +-5% 1/4W
R859	61A 172- 105 - 26T	1MEG OHM +-5% 1/4W
R860	61A 172- 153 - 26T	15K OHM +-5% 1/4W
R861	61A 172- 153 - 26T	15K OHM +-5% 1/4W
R862	61A 172- 153 - 26T	15K OHM +-5% 1/4W
R863	61A 172- 681 - 26T	680 OHM +-5% 1/4W
R864	61A 172- 681 - 26T	680 OHM +-5% 1/4W
R865	61A 172- 681 - 26T	680 OHM +-5% 1/4W
R866	61A 602- 103 - 26T	10K OHM +-5% 1/6W
R867	61A 602- 103 - 26T	10K OHM +-5% 1/6W
R868	61A 602- 103 - 26T	10K OHM +-5% 1/6W
R873	61A 175L- 101 - 52T	100 OHM +-5% 1/2W
R874	61A 175L- 101 - 52T	100 OHM +-5% 1/2W
R875	61A 602- 102 - 26T	1K OHM +-5% 1/6W
R876	61A 602- 102 - 26T	1K OHM +-5% 1/6W
R877	61A 602- 102 - 26T	1K OHM +-5% 1/6W
R879	61A 175L- 101 - 52T	100 OHM +-5% 1/2W
R880	61A 175L- 564 - 52T	560K OHM +-5% 1/2W
R881	61A 172- 124 - 26T	120K OHM +-5% 1/4W
R883	61A 172- 124 - 26T	120K OHM +-5% 1/4W
R885	61A 172- 124 - 26T	120K OHM +-5% 1/4W
R896	61A 602- 102 - 26T	1K OHM +-5% 1/6W
R897	61A 602- 101 - 26T	100 OHM +-5% 1/6W
R898	61A 602- 101 - 26T	100 OHM +-5% 1/6W
ZD801	93A 39- 528 - 52T	HZ9A2
ZD802	93A 39- 77 - 52T	HZ5C1

PARTS LIST OF IC803 ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	90A 355-	2		HEAT SINK
	M1A 1730-	8 -	128	SCREW
IC803	56A 551-	2		TM2439T

PARTS LIST OF Q410 ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	2A 6003-	1		SCREW NUT
	90A 6015-	1		HEAT SINK
	M1A 1730-	8 -	128	SCREW
Q410	57A 711-	1		SK-133

PARTS LIST OF IC601 ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	5A 71-	1		TRANSISTOR HOUSING
	32A 3028-	504		MICA
	90A 351-	505 -	A	HEAT SINK
	M1A 1730-	12 -	128	SCREW
IC601	56A 574-	1		TDA9302H

PARTS LIST OF Q901 ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	90A 348-	3		HEAT SINK
	M1A 1730-	10 -	128	SCREW
Q901	57A 724-	1		TR. 2SK1118

PARTS LIST OF Q403/Q405/Q911/D408 ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	5A 42-	501		NYLON WASHER
	32A 3028-	8		MICA
	90A 363-	518		HEAT SINK
	M1A 1130-	8 -	128	SCREW
	M1A 1730-	10 -	128	SCREW
D408	93A 220-	17		FMQ-2FUR
HS1	95A 205T-	30 -	06A	WIRE
Q403	57A 706-	501		2SC5440
Q405	57A 415-	1		TR. NPN TIP122/SAMSUNG
Q911	57A 600-	504		TR. IRF634A

PARTS LIST OF AC IN SOCKET ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	95A 800-	2 -	2C	WIRE&CORE ASS'Y
	96A 29-	6 -	190	H.S. TUBING
CN901	87A 501-	5		RECEPTACLES 07H

PARTS LIST OF D921 ASS'Y

LOCATION	PARTS No.			SPECIFICATION
	71A 55-	2		FERRITE BEAD
	90A 360-	501		HEAT SINK
D921	93A 1040-	1		RG4

PARTS LIST OF CRT ALTERNATION

LOCATION	PARTS No.			SPECIFICATION
	750A 5841-	2AV		PHILIPS 0.27 MPRII CRT
	50A 500-	1		CABLE TIE
	50A 502-	1		PLASTIC TIE
C418	63A 210J-	582 -	8FC	5800PF 2KV
C425	63A 210J-	474 -	3CJ	0.47UF 400V +-5%
C431	64A 100J-	105 -	59	1UF 100V +-5%
C439	63A 210J-	394 -	2CC	0.39UF +-5% 250V
C453	63A 210J-	224 -	2CC	0.22UF +-5% 250V
C498	95A 90-	23		TIN COATED
C499	95A 90-	23		TIN COATED
C714	64A 178J-	223 -	1T	0.022UF +-5% 100V
H701	750A 1697-	503 -	NA	ROTATION COIL
L401	73A 147-	104 -	T	LINEARITY COIL
R405	61A 602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A 155M-	220 -	61	22 OHM 5W
R428	61A 153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A 210-	952 -	52T	9.5K OHM +-1% 1/6W
R436	61A 602-	224 -	52T	220K OHM +-5% 1/6W
R465	61A 602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A 602-	473 -	52T	47K OHM +-5% 1/6W
R481	61A 602-	473 -	52T	47K OHM +-5% 1/6W
R618	61A 208-	129 -	64	1.2 OHM +-5% 1W
R725	61A 214Y-	304 -	WT	300K OHM 1/4W
T402	79A 769T-	1 -	B	FEA945
TP498	95A 201F-	50 -	162	WIRE

LOCATION	PARTS No.				SPECIFICATION
	750A	**5841-**	**2AV**		PHILIPS 0.27 TCO CRT
	50A	502-	1		PLASTIC TIE
	52A	1-	201		COPPER TIE
	52A	6007-	1		34CM COPPER FOIL
	52A	6007-	2		42CM COPPER FOIL
C418	63A	210J-	582 -	8FC	5800PF 2KV
C425	63A	210J-	474 -	3CJ	0.47UF 400V +-5%
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	65A	1K-	470 -	2T	47PF 1KV
C499	65A	1K-	470 -	2T	47PF 1KV
C714	64A	178J-	223 -	1T	0.022UF +-5% 100V
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	220 -	61	22 OHM 5W
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	952 -	52T	9.5K OHM +-1% 1/6W
R436	61A	602-	224 -	52T	220K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R481	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R498	61A	172-	563 -	52T	56K OHM +-5% 1/4W
R618	61A	208-	129 -	64	1.2 OHM +-5% 1W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1 -	B	FEA945
TP498	95A	201M-	50 -	142	WIRE

LOCATION	PARTS No.				SPECIFICATION
	750A	**5855-**	**5AV**		17" CPT MPRII CRT
	50A	500-	1		CABLE TIE
	50A	502-	1		PLASTIC TIE
C418	63A	210J-	562 -	8FC	5600PF 2KV
C425	63A	210J-	394 -	3CJ	0.39UF 400V +-5%
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C453	63A	210J-	184 -	2CC	0.18UF +-5% 250V
C498	95A	90-	23		TIN COATED
C499	95A	90-	23		TIN COATED
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R426	61A	155M-	270 -	61	27 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	952 -	52T	9.5K OHM +-1% 1/6W
R436	61A	602-	224 -	52T	220K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	243 -	52T	24K OHM +-5% 1/6W
R481	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R618	61A	208-	119 -	64	1.1 OHM +-5% 1W
R622	61A	172-	270 -	52T	27 OHM +-5% 1/4W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201F-	50 -	162	WIRE

LOCATION	PARTS No.				SPECIFICATION
	750A	**5855-**	**5AV**		17 '' CPT TCO95/99 CRT
	50A	502-	1		PLASTIC TIE
	52A	1-	201		COPPER TIE
	52A	6007-	1		34CM COPPER FOIL
	52A	6007-	2		42CM COPPER FOIL
C418	63A	210J-	562 -	8FC	5600PF 2KV
C425	63A	210J-	394 -	3CJ	0.39UF 400V +-5%
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C453	63A	210J-	184 -	2CC	0.18UF +-5% 250V
C498	65A	1K-	221 -	2T	220PF 1KV +-10%
C499	65A	1K-	470 -	2A	47PF 1KV
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
CL1	95A	201F-	50 -	032	WIRE
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R426	61A	155M-	270 -	61	27 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	952 -	52T	9.5K OHM +-1% 1/6W
R436	61A	602-	224 -	52T	220K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	243 -	52T	24K OHM +-5% 1/6W
R481	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R498	61A	172-	563 -	52T	56K OHM +-5% 1/4W
R618	61A	208-	119 -	64	1.1 OHM +-5% 1W
R622	61A	172-	270 -	52T	27 OHM +-5% 1/4W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201M-	50 -	142	WIRE

LOCATION	PARTS No.				SPECIFICATION
	750A	**5866-**	**3AV**		LG .27 17" TOP95/99 CRT
	50A	502-	1		PLASTIC TIE
	52A	1-	201		COPPER TIE
C418	63A	210J-	562 -	8FC	5600PF 2KV
C425	63A	210J-	394 -	3CJ	0.39UF 400V +-5%
C427	67A	60-	229 -	7T	2.2UF 50V
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C450	65A	1K-	470 -	2T	47PF 1KV
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	65A	1K-	101 -	5T	100PF 1KV +-10%
C499	65A	2K-	331 -	5A	330PF 2KV
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
CL1	95A	201F-	50 -	032	WIRE
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	270 -	61	27 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	103 -	52T	10K OHM +-1% 1/6W
R436	61A	602-	164 -	52T	160K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R481	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R498	61A	172-	563 -	52T	56K OHM +-5% 1/4W
R618	61A	208-	918 -	64	0.91 OHM +-5% 1W
R622	61A	172-	270 -	52T	27 OHM +-5% 1/4W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201M-	50 -	142	WIRE

LOCATION	PARTS No.				SPECIFICATION
	750A	5866-	3AV		LG .27 17" MPRII CRT
	50A	500-	1		CABLE TIE
	50A	502-	1		PLASTIC TIE
C418	63A	210J-	562 -	8FC	5600PF 2KV
C425	63A	210J-	394 -	3CJ	0.39UF 400V +-5%
C427	67A	60-	229 -	7T	2.2UF 50V
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C450	65A	1K-	470 -	2T	47PF 1KV
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	95A	90-	23		TIN COATED
C499	95A	90-	23		TIN COATED
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	270 -	61	27 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	103 -	52T	10K OHM +-1% 1/6W
R436	61A	602-	164 -	52T	160K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R481	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R618	61A	208-	918 -	64	0.91 OHM +-5% 1W
R622	61A	172-	270 -	52T	27 OHM +-5% 1/4W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201F-	50 -	162	WIRE

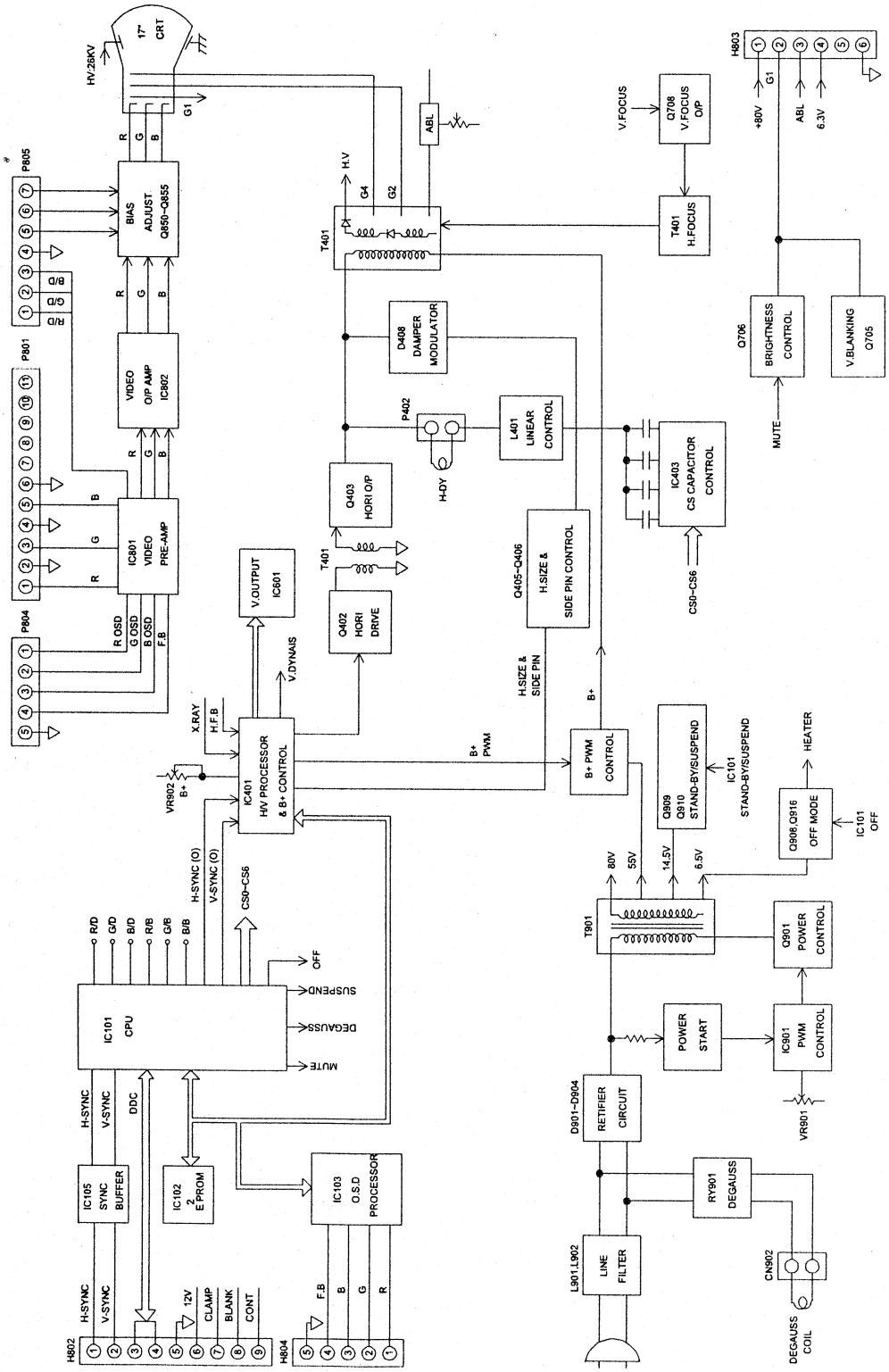
LOCATION	PARTS No.				SPECIFICATION
	750A	5868-	3AV		LG .27 17" MPRII CRT
	50A	500-	1		CABLE TIE
	50A	502-	1		PLASTIC TIE
C418	63A	210J-	562 -	8FC	5600PF 2KV
C425	63A	210J-	394 -	3CJ	0.39UF 400V +-5%
C427	67A	60-	229 -	7T	2.2UF 50V
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C450	65A	2K-	470 -	6A	47PF 2KV
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	95A	90-	23		TIN COATED
C499	95A	90-	23		TIN COATED
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	270 -	61	27 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	952 -	52T	9.5K OHM +-1% 1/6W
R436	61A	602-	164 -	52T	160K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R481	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R618	61A	208-	918 -	64	0.91 OHM +-5% 1W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201F-	50 -	162	WIRE

LOCATION	PARTS No.				SPECIFICATION
	750A	5868-	3AV		LG .27 17" TOP TCO CRT
	50A	502-	1		PLASTIC TIE
	52A	1-	201		COPPER TIE
C418	63A	210J-	562 -	8FC	5600PF 2KV
C425	63A	210J-	394 -	3CJ	0.39UF 400V +-5%
C427	67A	60-	229 -	7T	2.2UF 50V
C431	64A	100J-	105 -	59	1UF 100V +-5%
C439	63A	210J-	394 -	2CC	0.39UF +-5% 250V
C450	65A	2K-	470 -	6A	47PF 2KV
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	65A	1K-	101 -	5T	100PF 1KV +-10%
C499	65A	517M-	103 -	3A	0.01UF +-20% 500V
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
CL1	95A	201F-	50 -	032	WIRE
H701	750A	1697-	503 -	NA	ROTATION COIL
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	270 -	61	27 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	952 -	52T	9.5K OHM +-1% 1/6W
R436	61A	602-	164 -	52T	160K OHM +-5% 1/6W
R465	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R480	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R481	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R498	61A	172-	563 -	52T	56K OHM +-5% 1/4W
R618	61A	208-	918 -	64	0.91 OHM +-5% 1W
R725	61A	214Y-	304 -	WT	300K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201M-	50 -	142	WIRE

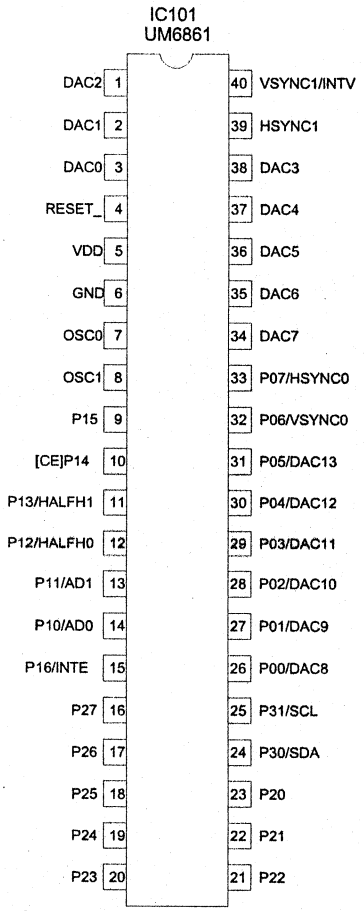
LOCATION	PARTS No.				SPECIFICATION
	750A	5871-	2AV		.27 17 " TCO ORION CRT
	11A	112-	1		WIRE MOUNTS
	50A	502-	1		PLASTIC TIE
	52A	1-	201		COPPER TIE
	52A	6007-	1		34CM COPPER FOIL
	52A	6007-	2		42CM COPPER FOIL
C418	63A	210J-	582 -	8FC	5800PF 2KV
C425	63A	210J-	474 -	3CC	0.47UF 400V +-5%
C431	64A	100J-	225 -	59	2.2UF 100V +-5%
C439	63A	210J-	474 -	2CC	0.47UF +-5% 250V
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	65A	1K-	121 -	6A	120PF 1KV
C499	95A	90-	23		TIN COATED
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
CL1	95A	201F-	50 -	032	WIRE
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	240 -	61	24 OHM 5W
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	103 -	52T	10K OHM +-1% 1/6W
R436	61A	602-	224 -	52T	220K OHM +-5% 1/6W
R465	61A	602-	304 -	52T	300K OHM +-5% 1/6W
R480	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R481	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R498	61A	172-	563 -	52T	56K OHM +-5% 1/4W
R618	61A	208-	918 -	64	0.91 OHM +-5% 1W
R725	61A	214Y-	274 -	WT	270K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201M-	50 -	142	WIRE

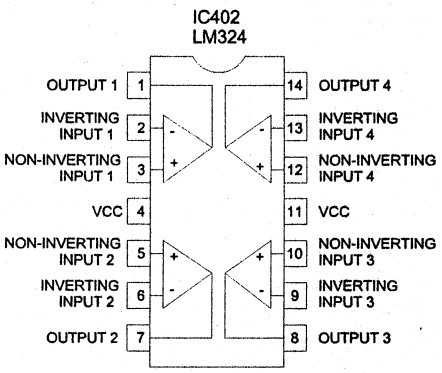
LOCATION	PARTS No.				SPECIFICATION
	750A	587I-	2AV		.27 17" TOP ORION MPRII CRT
	11A	112-	1		WIRE MOUNTS
	50A	500-	1		CABLE TIE
	50A	502-	1		PLASTIC TIE
C418	63A	210J-	582 -	8FC	5800PF 2KV
C425	63A	210J-	474 -	3CC	0.47UF 400V +-5%
C431	64A	100J-	225 -	59	2.2UF 100V +-5%
C439	63A	210J-	474 -	2CC	0.47UF +-5% 250V
C453	63A	210J-	224 -	2CC	0.22UF +-5% 250V
C498	95A	90-	23		TIN COATED
C499	95A	90-	23		TIN COATED
C714	64A	178J-	153 -	1T	0.015UF +-5% 100V
L401	73A	147-	104 -	T	LINEARITY COIL
R405	61A	602-	273 -	52T	27K OHM +-5% 1/6W
R426	61A	155M-	240 -	61	24 OHM 5W +-5%
R428	61A	153M-	758 -	59	0.75 OHM +-5% 3W
R435	61A	210-	103 -	52T	10K OHM +-1% 1/6W
R436	61A	602-	224 -	52T	220K OHM +-5% 1/6W
R465	61A	602-	304 -	52T	300K OHM +-5% 1/6W
R480	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R481	61A	602-	104 -	52T	100K OHM +-5% 1/6W
R618	61A	208-	918 -	64	0.91 OHM +-5% 1W
R725	61A	214Y-	274 -	WT	270K OHM 1/4W
T402	79A	769T-	1		FBT BY SAMPO
TP498	95A	201F-	50 -	162	WIRE

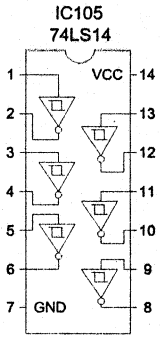
9. BLOCK DIAGRAM



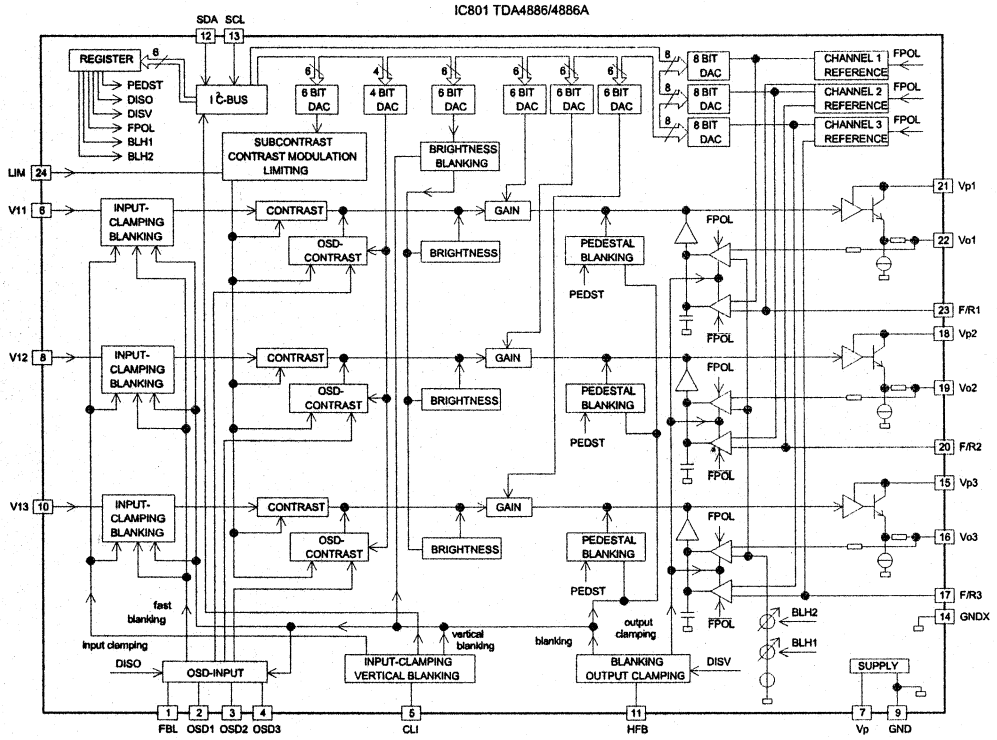
10. IC BLOCK DIAGRAM



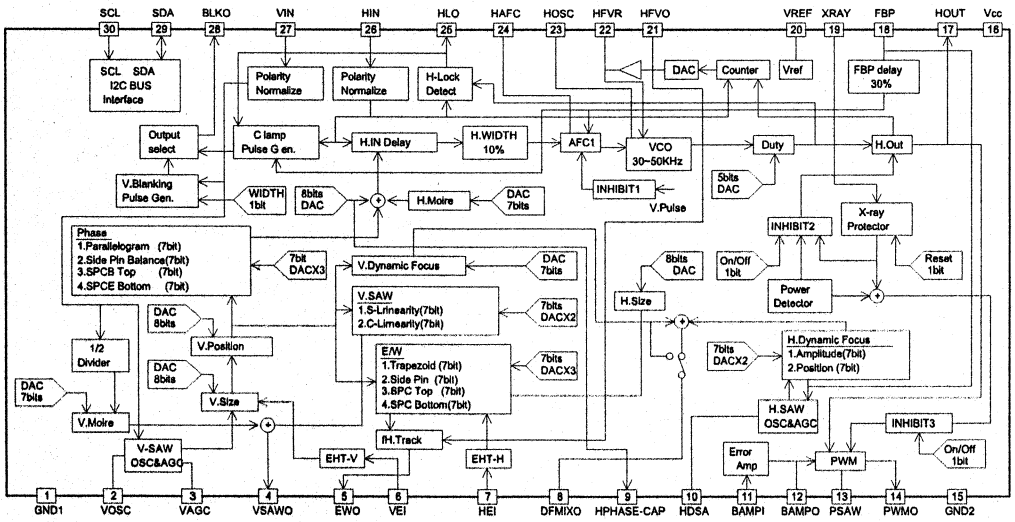




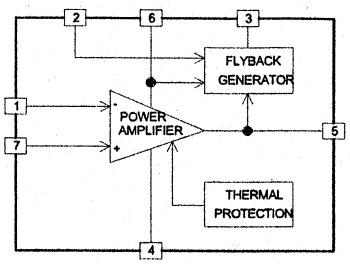
IC801 TDA4886/4886A



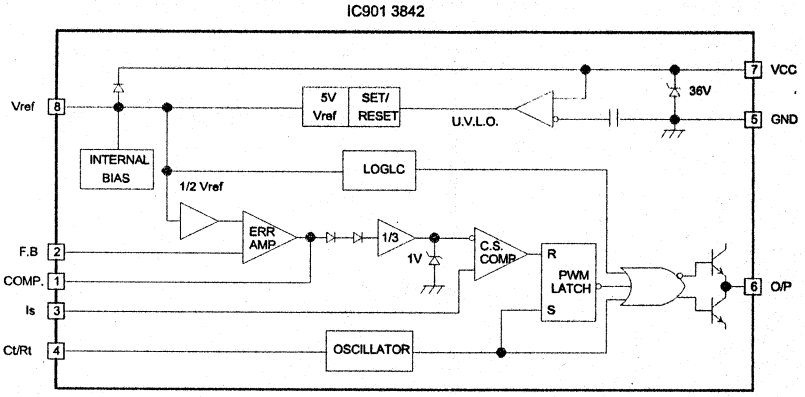
IC401 UPC1888CT



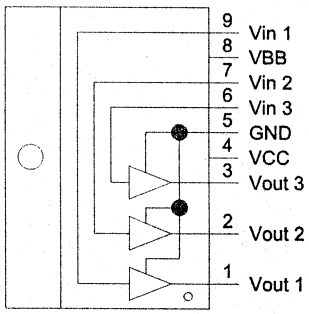
IC601 TDA8172



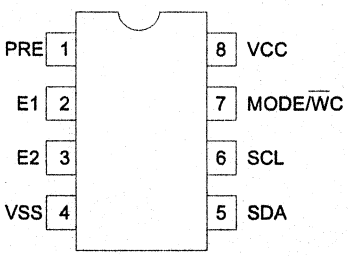
IC901 3842



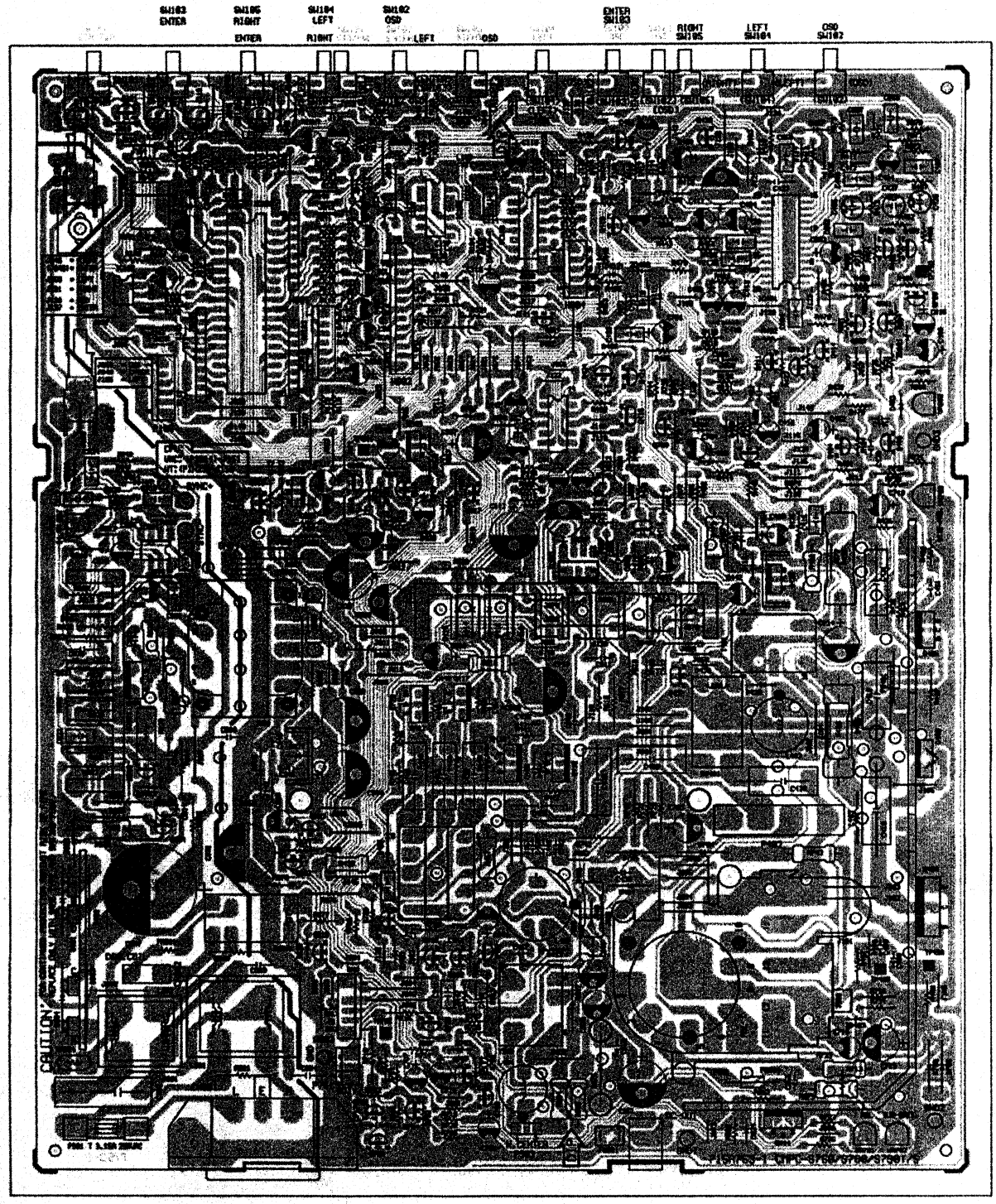
IC802
LM2439T/LM2438T



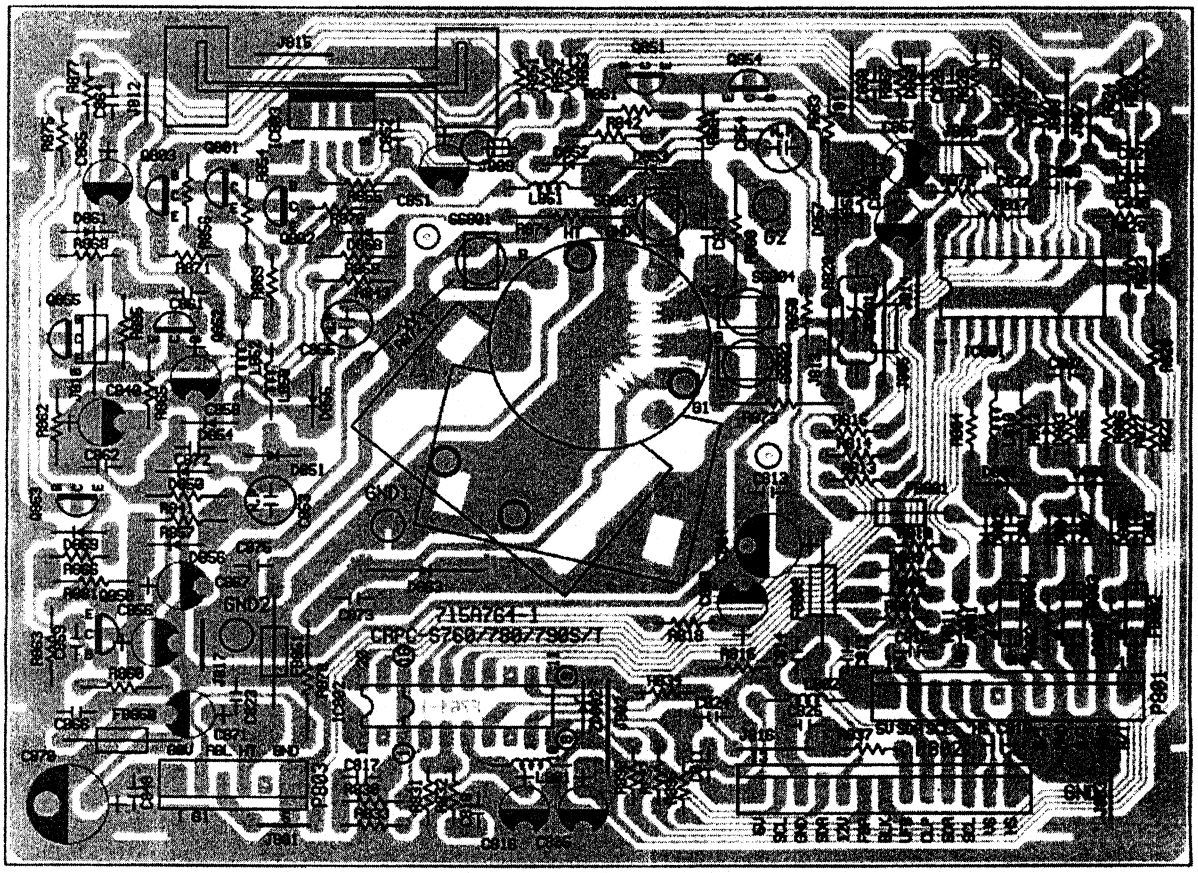
IC102
24C08



11 PCB LAYOUT
11-1 MAIN PCB LAYOUT



11-2 CRT PCB LAYOUT



CRPC-S760S2-3

P801

IC801 TDA4886A

IC802 NT6829(20P) NT6827(16P)

IC803 LM2438

P803

W301
R302 150
R303 150
R304 8K2
LED
SW302 FUNCTION
KEPC-S785S/770S

CMPC-S760S2-3 FOR NEC
715A753-XX

H803
R/D G/D B/D G/S R/S B/S

R453 2.2K
JUMPER
IC105
JUMPER
R406 1K

H302
HS
VS
SCL
SDA
CLAMP
VFB
BLANK
EBT
12V
SDA
GND
SCL
5V

R458 1k

R118 4K7
R119 4K7
R111 2K2
D101 1N4148
C102 33UF 16V
D102 S491
C101 0.1
C103 470
X101 93C22-22
R167 1M

IC101
56A1125-69
UM6861

1 OFF	4.3	40 V.S	5
2 SUSPEND	4.3	39 H.S	4
3 DEG		38 R/D	4.3
4 RESET	4.9	37 G/D	2.9
5 VCC		36 B/D	2.6
6		35 R/B	2.3
7 OSCO	2.6	34 G/B	1
8 OSCI	2.6	33 H-OUT	4.4
9 SCL	5	32 V-OUT	5
10 SDA	5	31 B/B	2.1
11 LED	5.1	30 CONT	5
12 MODEL		29 BRITE	2.6
13 SIZE COMP	5	28 SIZE F/V	0.3
14 FUNC	5.1	27 ROTATE	2.6
15 KEYA	5.1	26 VOLUME	
16 KEYB	5	25 SCL	5.1
17 MUTE		24 SDA	5.1
18 CS0		23 CS5	
19 CS1		22 CS4	
20 CS2		21 CS3	

IC105
56A74LS-14
R130 1K
C137 100
R131 100
C138 100
RA102 4K7
R133 10K
R134 10K
R135 10K
R136 10K
R137 10K
R138 10K
R139 10K
R140 10K
R141 10K
C120 10UF
C121 10UF
C122 10UF
C123 10UF
C124 10UF
C125 10UF
C126 10UF
C127 10UF
C128 10UF
4K7
5V
RA101 4K7
R143 10K
C130 10UF
R132 1K
Q102 2SC2120
ZD101 5.6V
C131 0.01

C481 100UF
C117 220UF 16V
R417 1K
JUMPER
L405 100UH
R414 2K2
C423 0.1
C958 2200
C435 0.001
C406 0.033
C424 10UF
R407 10K
C603 33UF 16V
C604 0.033
C601 0.1

C432 0.0047/500V
C408 0.1 250V
R409 22K 1/4W
VR502 30K
R969 68K
R971 10K
R972 6K8
R970 NC
C959 NC
C409 4.7UF
R419 390K
D402 1SS83
R413 10K
D407 1N4148
C461 22UF 16V
Q401 C945
D403 1N4148
R479 3K3
R474 10K
R420 10K
Q420 A733
R482 1K
R973 56K
C957 0.033
C421 0.001
R411 1M
C412 100
C407 4700
R404 470K
R450 470K
R484 470K
C405 2.2 NP
R412 20K
Q408 A733
C427 2.2 NP
Q409 A733
R480 10K
R405 47K
R452 15K
C426 0.33 NP

IC401 UPC1888CT

15 GND2	0.7	14 PWMO	1	13 PSHW	2.5	12 BAMPO	2.5	11 BAMPI	2.9	10 HDSA	5	9 P-PHASE CAP	8 VDF	7 HEI	3.8	6 VEI	4	5 EW	3.6	4 VSAWO	3.5	3 V. AGC	3.3	2 V. OSD	4.2	1 GND1
16 VCC	12.3	17 HOUT	0.3	18 FBP	9	19 XRAY		20 V REF	5	21 HFLIO	0.6	22 HFUR	0.6	23 HOSC	10.7	24 HAFC	3.5	25 HLO	5	26 HS	4.7	27 VS	4.7	28 HBKO	0.5	29 SDA	5	30 SCL	5

C411 330 16V
C614 1UF
R608 47K
C434 10UF
R418 56K
C404 1UF
C403 390
R451 62
R439 27
R443 1.3K
C402 1000
R401 1K8
C401 1UF
C410 47
C606 47
R410 1K
C413 1UF
R610 1K
R415 22K
R120 100
R121 100
C608 1000UF 25V
C609 0.01
D601 1N4002
R616 2.2 1W
IC601 TEA8172
C607 220UF 35V
R615 30K
R614 11K
C610 1UF
R617 220 1/2W
R618 1 1W
R974 100
R445 6K8
R444 10K

H105
G-LED
SHA
SHB
KEY
R-LED
LED 81A10-5
R189 150

H804
FBK
B
G
R

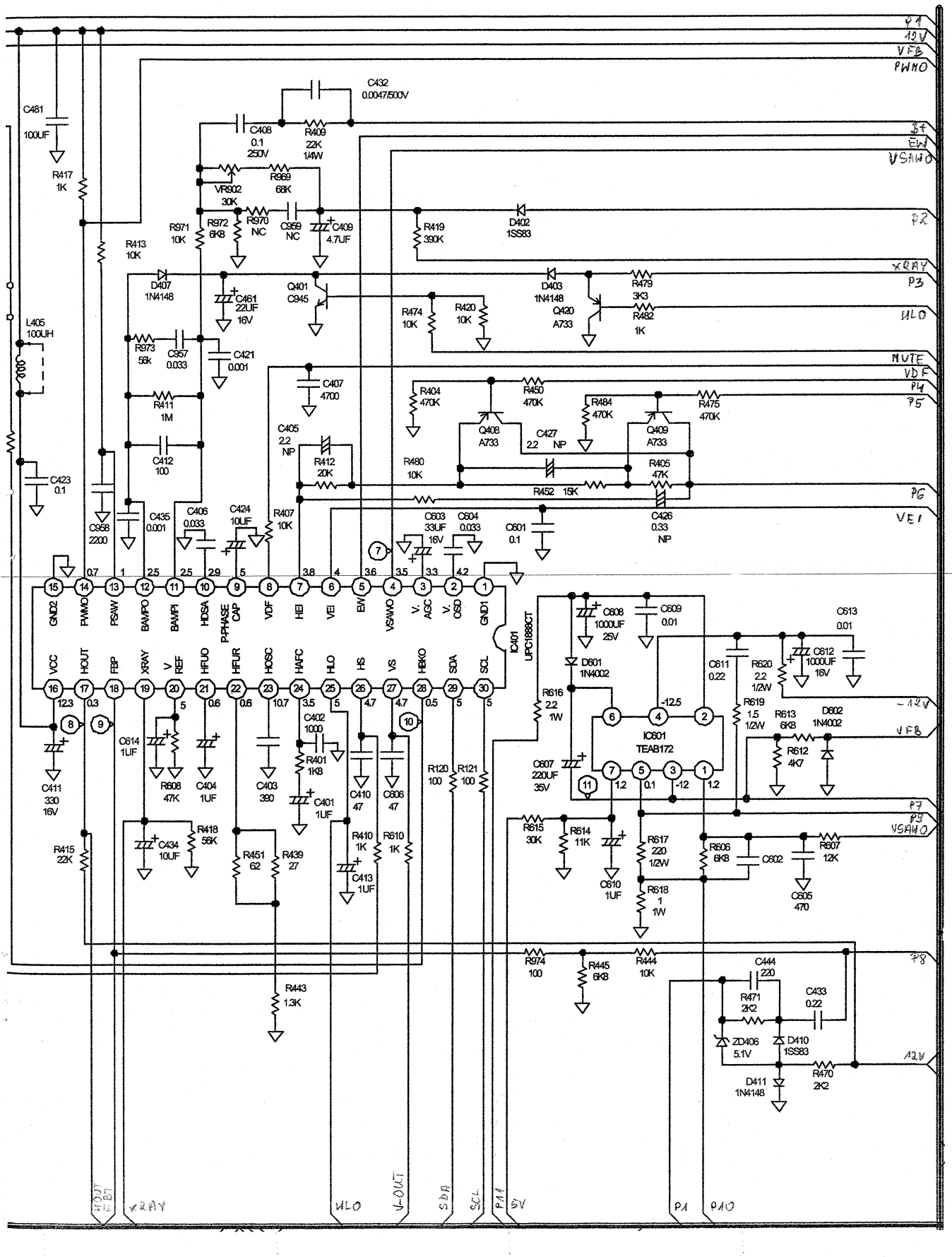
C110
R124
C109
R178
R179
R180
R181
IC103 24C04
VDD SCK R164
VFB SDA R165
SS
FBK HFB R128
B VDD R126
G RP
R VCO
VSSD VSSA
R127
C115
R125
C114
L102
C113
R161

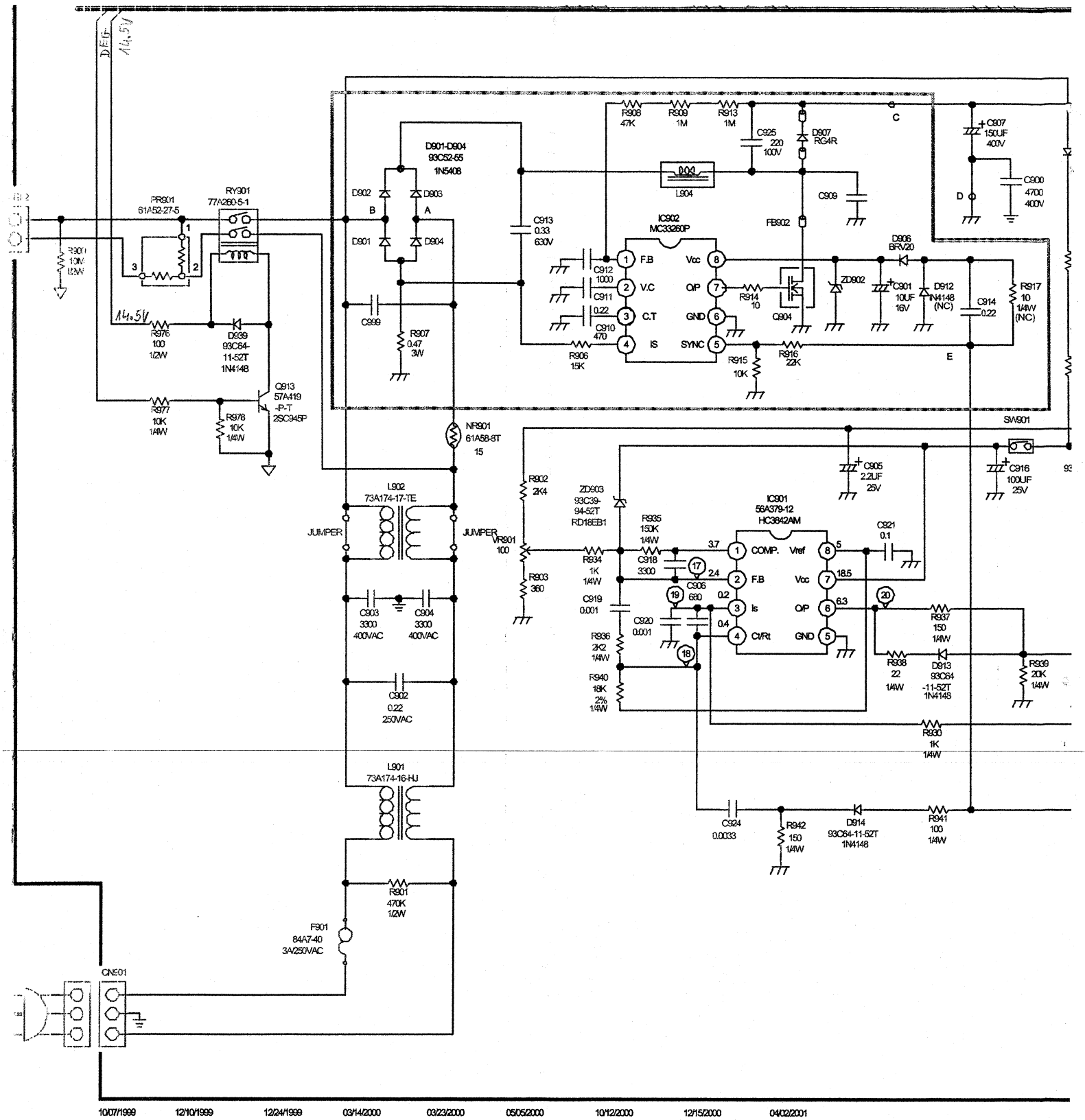
IC102 24C04
L101 3.3UH
C105 10UF
R112 100
R113 4K7
R117 4K7
R108 100
R109 100
C104 1M 1/4W
R107 10K
R162 180 1/4W
Q101 A733
R186 10K

SW105 INC RIGHT
R104 6K8
SW104 DEC LEFT
R103 3K9
SW103 ENTER
R102 2K7
SW102 EXT OSD
R101 5K6
SW101 SSP

D104 1N4148
D103 1N4148

EBT
TV
SCL
SDA
MUTE
CS1
CS2
BEA
OFF
SUSPEND
CS5
CS4
V-OUT
ROTATE
14.5V
5V
SIZE-F/V
BRITE
HOUT
EBT
XRAY
HLO
V-OUT
SDA
SCL
FBK
5V


C481 100UF
R417 1K
C432 0.0047/500V
C408 0.1 250V
R409 22K 1/4W
VR902 30K
R969 68K
R971 10K
R972 6K8
R970 NC
C959 NC
C409 4.7UF
R413 10K
D407 1N4148
C461 22UF 16V
Q401 C945
R419 390K
D402 1SS83
D403 1N4148
Q420 A733
R479 3K3
R482 1K
R474 10K
R420 10K
L405 100UH
R973 56k
C957 0.033
C421 0.001
R411 1M
C412 100
C423 0.1
C958 2200
C435 0.001
C406 0.033
C424 10UF
R407 10K
C407 4700
C405 2.2 NP
R412 20K
R404 470K
R450 470K
Q408 A733
C427 2.2 NP
R484 470K
Q409 A733
R475 470K
R480 10K
R405 47K
R452 15K
C426 0.33 NP
C603 33UF 16V
C604 0.033
C601 0.1
GND2 PWMO PSAW BAMPO BAMPI HDSA P-PHASE CAP VDF HEI VEI EW VSAWO V. AGC V. OSD GND1
IC401 UPC1888CT
VCC HOUT FBP XRAY V REF HFLIO HFLIR HOSC HAFC HLO HS VS HBKO SDA SCL
C808 1000UF 25V
C609 0.01
C613 0.01
C611 0.22
R620 2.2 1/2W
C612 1000UF 16V
D601 1N4002
R616 2.2 1W
R619 1.5 1/2W
R613 6K8
D602 1N4002
IC601 TEAB172
R612 4K7
C607 220UF 35V
C614 1UF
R608 47K
C404 1UF
C411 330 16V
C403 390
C402 1000
R401 1K8
C401 1UF
C410 47
C606 47
R120 100
R121 100
R615 30K
R614 11K
C610 1UF
R617 220 1/2W
R618 1 1W
R606 6K8
C602
R607 12K
C605 470
R415 22K
C434 10UF
R418 56K
R451 62
R439 27
R410 1K
R610 1K
C413 1UF
R443 1.3K
R974 100
R445 6K8
R444 10K
C444 220
R471 2K2
C433 0.22
ZD406 5.1V
D410 1SS83
D411 1N4148
R470 2K2
P1
12V
VFB
PWMO
5+
EW
VSAWO
P2
XRAY
P3
ULO
MUTE
VDF
P4
P5
P6
VEI
-12V
VFB
P7
P9
VSAWO
P8
A2V
HOUT FBT
XRAY
ULO
V-OUT
SDA
SCL
P11
5V
P1
P10



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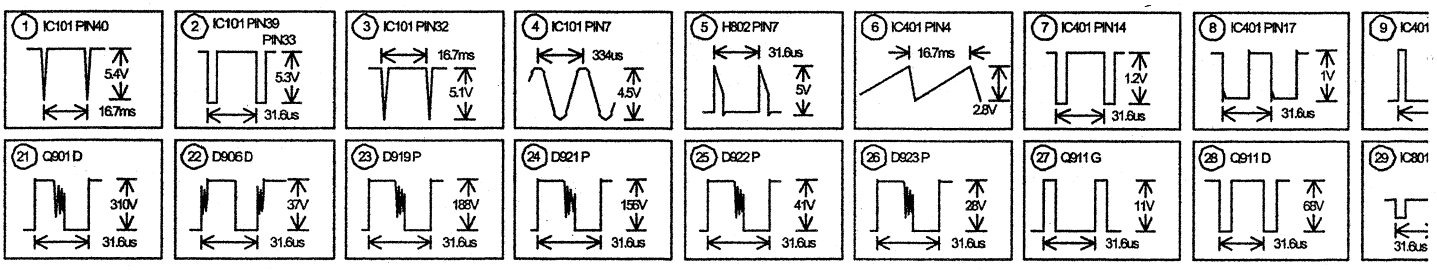

D901-D904 93C52-55 1N5408
D902 D903 D901 D904
B A
C913 0.33 630V
C999
R907 0.47 3W
L904
C909
FB902
IC902 MC33260P
1 F.B
2 V.C
3 C.T
4 IS
8 Vcc
7 O/P
6 GND
5 SYNC
C912 1000
C911 0.22
C910 470
R908 47K
R909 1M
R913 1M
C925 220 100V
D907 RG4R
R914 10
R915 10K
R916 22K
R906 15K
ZD902
Q904
D906 BRV20
C901 10UF 16V
D912 1N4148 (NC)
C914 0.22
R917 10 1/4W (NC)
D
E
C907 150UF 400V
C900 4700 400V
T901 80A769T-1-L
D909 93C52 -1-P-52T 1N4007
R904 470K 1/2W
R905 470K 1/2W
D910 93C1060 -6-52T BYV26C
R927 33K 3W
C915 0.01 2KV
R928
R925 43K
RA925 39K
D905 BYV20
D911 93C64-31-52T BYV20
R931 4.7 1/4W
SW601
C916 100UF 25V
C905 2.2UF 25V
NR901 61A58-8T 15
L902 73A174-17-TE
JUMPER
VR901 100
R902 2K4
R903 360
ZD903 93C39-94-52T RD18EB1
IC901 56A379-12 HC3842AM
1 COMP.
2 F.B
3 Is
4 C/Rt
8 Vref
7 Vcc
6 O/P
5 GND
3.7
2.4
0.2
0.4
18.5
6.3
R934 1K 1/4W
C918 3300
C906 680
C919 0.001
C920 0.001
R935 150K 1/4W
R936 2K2 1/4W
R940 18K 2% 1/4W
C921 0.1
R937 150 1/4W
R938 22 1/4W
D913 93C64 -11-52T 1N4148
R939 20K 1/4W
ZD901 93C39- 113-52T HZ20-2
R930 1K 1/4W
R929 0.27 2W
C923 220 1KV
Q901 57A600-18 K3115
C922 0.01 500V
C903 3300 400VAC
C904 3300 400VAC
C902 0.22 250VAC
L901 73A174-16-HU
R901 470K 1/2W
C924 0.0033
R942 150 1/4W
D914 93C64-11-52T 1N4148
R941 100 1/4W
SYNC+
SYNC-
T402
D918
C929
Q902 HSB772
R910 47K
DC OUT
R911 560 1/4W
Q903 2SC945P
R912
C908
D919 93C1060 -6P-52T BYV26C
C931 100UF 160V
R954 20K 1/2W
D921 RG4Z
C934 390UF 80V
FB903
D922 RG4Z
C936 1000UF 25V
R955 0.22 1/2W
D923 RG4Z
C939 1000UF 16V
D906 HER303G
C909 220UF 25V
R957 47K
R958 1K 1/2W
Q910 57A419-P-T 2SC945P
C940 22UF
R959 22K
Q908 57A728-3 HSB772
R981 10K
R982 470 1/4W
Q916 57A419-P C945
R983 22K
C952 10UF
R715 1/2W
P701
ROTATION COIL
H.CENTER
T903 79A167 -111-L
D927 FR103
D926 FR103
C930 47UF
C935 47UF
R964 10/2W
R968 10/2W
C960 220 1KV
D925 93C3020-6P UF302G
C951 47UF 250V
C955 220 500V
R979 470 2W
Q911 IRF634
R962 22 1/4W
D924 93C64-11-52T 1N4148
R960 47K
C941 0.1
Q912 C1213
Q915 A673
R956 2K7
C942 47
C944 10UF
R963 10 1/4W
Q914 57A419-P-T 2SC945P
Q909 57A728-3 HSB772
Q917 2SD667
C943 22UF 25V
R961 150 1/2W
ZD904 8C2
ZD929 4C2
C937 1000UF 16V
R969 22K
Q913 2SA733
R710 15 1/2W
R704 1K8 1/4W
R705 100
Q701 2SC945
Q704 57A419-P-T 2SC945P
R706 10
C717 0.1
R701 10K
R703 6K2
R702 91K
B+
PUMO
P12
P11
12V
P13
SUSPEND
H.T.
-12V
ROTATION
14.5V
80V
54V
7V
-12V
12.2
1.2
0.7
5.7

03/14/2000 03/23/2000 05/05/2000 10/12/2000 12/15/2000 04/02/2001

IC101 PIN32 16.7ms 5.1V
IC101 PIN7 334us 4.5V
H802 PIN7 31.6us 5V
IC401 PIN4 16.7ms 2.8V
IC401 PIN14 1.2V 31.6us
IC401 PIN17 1V 31.6us
IC401 PIN18 6.8V 31.6us
IC401 PIN28 5V 31.6us
IC801 PIN3 16.5ms 27.8V
Q402 C 25V 31.6us
Q403 C 31.6us 1215V
Q405 C 31.6us 16.4V
Q708 C 17ms 154V
T701 PIN2 31.6us 600V
IC901 PIN2 31.6us 0.8V
IC901 PIN4 31.6us 4.4V
IC901 PIN3 31.6us 1.6V
IC901 PIN6 15.5V 31.6us
D919 P 188V 31.6us
D921 P 155V 31.6us
D922 P 41V 31.6us
D923 P 28V 31.6us
Q911 G 11V 31.6us
Q911 D 68V 31.6us
IC801 PIN6.8 PIN10 0.8V 31.6us
IC801 PIN16 4V 31.6us
IC801 PIN19 3.6V 31.6us
IC801 PIN22 3.8V 31.6us
IC801 PIN11 6.2V 31.6us
CAT. R 51V 31.6us
CAT. G 49V 31.6us
CAT. B 48V 31.6us

12V
SIZE-FV
14.5V
HOUT
HT
P12
EW
P3
14.5V
5HV
CS3
P5
CS4
P4
CS2
CS1
HLO
R468 2K87 1%
Q424 C945
R466 100K
C443
R439 10 1W
R437 680 1/2W
Q425 57A728-3 HS6722
T401 79A167-110-L
D405 1N5817
L403
Q403 2SC5387 (C5440)
D408 93C220-17 FMQ2FUR
D406 BYV-26C
C418 6200 1.6KV
C419 5600 1.6KV
C417 0.15
R426 22 5W
R428 0.75 5W
R427 22 1/2W
C414 47UF 100V
ZD401 9.1V
D418 1N4148
R424 10
C402 D667
C415 3300 100V
R425 22 1/4W
R423 1K
Q411 C945
C422 0.1
Q414 C945
R422 100
Q413 A733
R421 220
C416 22
D409 93C84-11H-52T 1N4148
R429 82 2W
L404 73A253-106-L
L401 73A147-109-T
C448 680
D413 93C64-11-52T 1N4148
6.3V
C430 1000 1KV
C432 10UF 250V
D404 UF4004
R456 100 3W
R447 1K
Q407 2SC1213A
L402 73A253-86-L
C428 1200
C438 0.082 250V
C425 0.39 400V
C431 1UF 250V
D420 1N4148
ZD407 6.2V
Q405 TIP122
R473 82 1W
D430 1N4148
C442 10UF 25V
RY401 77A250-5-2
Q427 DTC114ES
R431 6K8
R477 91K
C452 33UF 16V
R478 2K2
R434 30K
R436 160K
Q406 A733
Q404 A733
R435 8.2K
C445 0.022
R433 2K2
R454 36K NC
C451 0.0033 NC
Q405 TIP122
R495 62K NC
R476 NC
Q415 DTC114ES NC
Q416 DTC114ES NC
C420 0.022
R432 56K
R437 30K
IC403 LM324
R449 4K7
D415 PS156R
C441 1UF
C440 0.1
R448 56K
Q412 2SK2134
C439 0.39 250V
R446 150K 1/4W
C429 0.91 250V
R442 4K7
D416 PA156R
C437 1UF
C436 0.1
R441 56K
Q410 2SK2134
R440 150K 1/4W
C453 0.22 250V
R462 4K7
D414 PS156R
C455 1UF
C454 0.1
R461 56K
Q417 2SK2134
R460 150K 1/4W
C458 NC
R463 NC
D419
C447 NC
R464 NC
C456 NC
Q418 NC
R472 NC
R485 1M
Q421 C1815
R438 10K
T701 79A167-112-L
R730 6.8 1/4W
R457
C449 270 2KV
C450
D708 PS156R
R723 100 2W
D706 93C60-21P-52T PS156R
C713 10UF 250V
R724 1M
VR702 220K SUB BRI
R725 330K 1/4W
Q706 BF423
R729 10K
C708 10UF
R718 10K
C707 0.1UF 250V
R739 62K 1/2W
Q705 C1815
ZD703
C711 1000
R707 10K
R735 JUMP
D703 JUMP
ZD704 10K
R708 82K
Q703 A733
R709 10K
Q707 C945
R711 10K
BRITE
MUTE
T402 79A769T-1
E.H.T
F2
F1
G2
C710 0.47
R713 1K
R714 1K
ABL
VR701 22K
R722 10K
C719 0.82 100V
R720 1M2
R721 56K
R726 10K
VR703 20
Q709 C945
R719 1K1
D704 93C60-21P-52T PS156R
C703 1UF 450V
R728 1M
D705 PS156R
R731 270K 1/2W
R740 270K 1/2W
R742 150K 1/2W
C702 470 1KV
R734 4M7
D709 1N4148
R733 82K
C718 0.01
C704 10UF
R735 3K3
Q708 BF422
R744 1K
C701 10UF
ZD601 5.1V
R621 410
R604 470
C616 2.2UF
R603 10K
R602 2K
Q602 A733
Q601 C945
R601 1K
P402
V-DY
H-DY
D710 1N4148
R745 1.8K
C714 220
R738 8.2K
R741 4.7K
C720 1000PF
H801
H.T.
ABL
G1
80V
P8
P2
P13
P9
P7
P6
P10